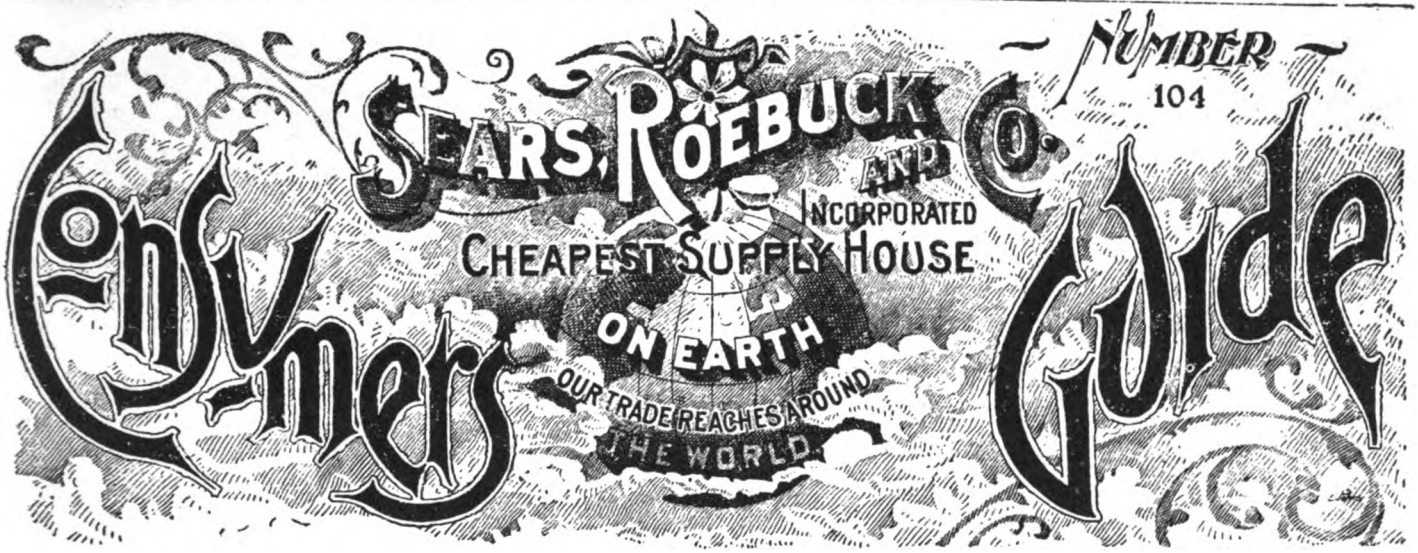


THE POLICY OF OUR HOUSE

It is the Policy of Our House to Supply the Consumer Everything on which we can save him money, goods that can be delivered at your door anywhere in the United States for less than they can be procured from your local dealer; and although our line covers about everything the consumer uses, there is scarcely an article but what will admit of a saving of at least 15%, and from that to 75%, to say nothing of the fact that our goods are as a rule of a higher grade than those carried by the average retailer or catalogue house, and we earnestly believe a careful comparison will convince you that we can furnish you more and better goods for your dollar than you can obtain from any other establishment in the United States.

We Aim to Illustrate Honestly and Correctly Every Article. So far as possible, illustrations are engraved from photographs taken directly from the article. Our illustrations and descriptions are such as will enable you to order intelligently; in fact, so that you can tell what you are getting as well as if you were in our store selecting the goods from stock.

We Employ No Agents. By the aid of our numerous catalogues our customers can deal with us direct. Thus the Farmer, Miner, Mechanic, Business Man, in fact anyone, can send in his or her own order and save money.

Our Terms are Alike to All.

Our Employees are Instructed to Treat Every Customer at a Distance Exactly as They Would Like to be Treated were they in the customer's place; in fact, if you favor us with your patronage we will feel under obligations to do everything in our power to merit your trade, and no matter how small your order may be it will receive the same prompt and careful attention as if it were ever so large.

We Aim to Treat Our Customers in a manner calculated to secure their permanent patronage. The unprecedented growth of our business proves that we have succeeded in supplying the wants of the people in a satisfactory manner and at lower prices than they could possibly secure elsewhere.

We Deem that the Best Advertisement Any Firm Can Have is a well satisfied customer. We aim to bring the manufacturer and consumer closer together. The closer the relation between the manufacturer and consumer, the more economy to all concerned, and in a great measure it does away with the long chain of profits in the handling of merchandise.

We are Able by Reason of Our Enormous Output of Goods to make contracts with representative manufacturers and importers for such large quantities of merchandise that we can secure the lowest possible prices. To this we add the smallest percentage of profit possible, and through the medium of catalogues offer the goods to our customers, and on our economic one-small-profit plan, direct from manufacturer to consumer, a large percentage of the merchandise we handle is owned by the purchaser at less than local dealers can buy in quantities.

A Trial Order Will Convince You of the Saving worked by our economic one-small-profit plan. If you contemplate purchasing any article of merchandise, we would consider it a privilege to quote you our lowest price, irrespective of whether you buy from us or not. It will be a safeguard against your paying someone else too much money. It will also open up a correspondence between us, and may eventually lead to our selling you some article of merchandise by which we may be able to demonstrate the saving of our method.

Our Catalogues and Other Printed Matter may Fall into the Hands of those Living at Remote Distances who will not think of buying owing to the great distance. Don't think you live too far away. THERE IS NOT A TOWN IN THE UNITED STATES WHERE WE HAVE NOT SOLD GOODS. Our goods go into every city, town and hamlet in every state, as well as to almost every country on the globe. DISTANCE CUTS NO FIGURE. We can serve you at any time and in any place. Our largest trade is in Pennsylvania, next in New York, third Illinois, fourth Ohio, and so on according to the population of the different states.

Freight and Express Rates are Usually Low and we have special facilities for shipping, carefully consulting the various classifications so as to pack your goods in such a manner as will entitle them to the lowest possible transportation charges.

Get Other Information Concerning Express and Freight Rates on the following pages, and you will see that the transportation amounts to next to nothing as compared with what you save in price.

Consider You Pay Freight or Express no matter Where You Live or Where You Buy. You may as well pay it to the railroad company and be dealing direct with first hands, as to pay it in the way of an exorbitant price to local dealers.

ABOUT UNPROFITABLE SHIPMENTS.

We Not Infrequently Receive Orders which we Term "Unprofitable" Shipments. For example: A party living far distant may order a dollar's worth of sugar to go by express. The express charges would equal the cost of the sugar. We occasionally get an order for heavy hardware, the order amounting to perhaps less than $5.00. The goods weigh 100 pounds. We are asked to ship them by express. This is usually an unprofitable shipment. A single pair of heavy cheap boots to go a great distance by express, or of very bulky woodenware, or furniture, or other merchandise, might be what we term an unprofitable shipment.

We Would Advise Our Customers to Study the Freight and Express Rates as given on the following pages, for we do not wish you to send us a dollar for anything unless we can save you money on the purchase.

Orders that Would Be Unprofitable to Ship by Mail or Express May Be Very Profitable When Sent by Freight, but as 100 pounds is usually carried by freight for the same charge as 10 pounds, by adding other merchandise to your order, either for yourself or by getting your neighbors to join you in making up a large order, it will make the shipment very profitable.

Digitized by Google

YOU CANNOT AFFORD to be without Scales to weigh EVERYTHING YOU BUY and EVERYTHING YOU SELL.

EVERY FARMER should own either a set of WAGON SCALES or PLATFORM SCALES.

A FARMER SHOULD NOT sell a load of Grain, a Bale of Cotton, a Hog or a Steer that has not been weighed on his own Scales.

YOUR SCALES will check mistakes and detect dishonesty and will pay the cost ten fold in a few years.

WE ARE HEADQUARTERS for everything in the line of Scales. We offer only the **best goods and at prices that cannot be undersold.**

OUR TERMS ARE LIBERAL. We will ship Scales to any address, by freight or express, **C. O. D.**, subject to examination, on receipt of sufficient deposit to pay transportation charges both ways, balance and freight or express charges payable after the goods are received.

DISCOUNT OF THREE PER CENT. allowed if cash in full accompanies your order.

FREIGHT RATES ARE LOW on Scales, they take second and third class rate, and the freight will amount to next to nothing compared with what you will save in cost.

OUR GUARANTEE. We guarantee all Scales to be absolutely perfect as to weight, made of the best material and the **HIGHEST STANDARD ON THE MARKET. There are many cheaper grades on the market. WE HANDLE ONLY THE VERY BEST.**

Best Farm Wagon Scale Made.

We have contracted for a large number of these Scales and at prices that enable us to give values never before given.

WE GUARANTEE THIS THE BEST WAGON SCALE EVER MADE. The construction is very simple and great care has been taken to arrange it so anyone with even ordinary mechanical ideas can erect it successfully. **All the materials are the very best possible.** Brass beams, sliding poise and steel pivots.

BUILDING PLAN AND FULL DIRECTIONS SENT WITH EACH SCALE.

No. 1400 Capacity, 2 tons; shipping wgt, 600 lbs; size of platform, 7x13 ft; single beam. Price, each **$50.00**
No. 1402 Capacity, 3 tons; shipping wgt, 600 lbs; size of platform, 8x14 ft; double beam. Price, each **46.00**
No. 1404 Capacity, 4 tons; shipping wgt, 675 lbs; size of platform, 8x14 ft; double beam. Price, each **49.50**
No. 1406 Capacity, 5 tons; shipping wgt, 675 lbs; size of platform, 8x14 ft; double beam. Price, each **53.50**

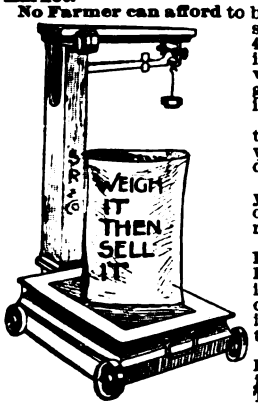
Write us for price delivered at your railroad depot, or approximate freight from our information on freight. These Scales take **third class freight rate.**

DON'T COMPARE THE SCALES WE OFFER with the many cheap, worthless Wagon Scales on the market. **OUR SCALES ARE GUARANTEED THE VERY BEST,** and, quality considered, our prices are at least **33⅓ PER CENT. BELOW THE MARKET.**

Our $11.50 Platform Farm Scale.

Guaranteed the Best Platform Scale on the market.

No Farmer can afford to be without a set of these scales. Capacity from 400 to 1500 pounds (according to price). **You can weigh** every load of grain you sell before going to market.



Everything grown on the farm should be weighed, it isn't safe to do otherwise.

These Scales will serve you better than any other Platform Scales made.

REMEMBER, OUR 3 PER CENT. CASH DISCOUNT when cash in full accompanies your order, when comparing our prices with those of other houses.

DON'T FORGET OUR LIBERAL C. O. D., subject to examination, TERMS.

	Capacity, Lbs.	Ship. Wt. Lbs.	Price.
No. 1410	400	155	$11.50
No. 1411	600	170	12.67
No. 1412	800	180	14.00
No. 1413	1,200	265	16.00
No. 1414	1,500	270	20,00

These scales are unquestionably the best scale made for the money. They are provided with the best of **steel pivots** carefully hardened—have **no check rods** to bind and get out of place. The platform rests on adjustable chill bearings which takes the wear directly off from the steel pivots, and the pivots remaining sharp, **the scale acts quick and sensitive.** Has wheels, wood center platform, sliding poise beam, sealed and tested. The greatest care is exercised in packing these scales for shipment.

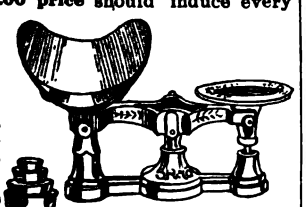
DON'T BUY A CHEAP MADE PLATFORM SCALE. They are dear at any price.

Our $1.00 Family Scales.

No. 1416 **Our $1.00 price** should induce every family in the land to own a pair of these 4 pound scales.

You may save the cost in one day's use.

Even balance scales. Plain Japanned. To weigh 4 pounds. With good tin scoop.
Our Price..$1.00



No. 1420 **Even Balance Scale,** Japanned, ornamented with bronze stripe. To weigh 4 pounds. With tin scoop. **Our Price.....$1.70**

Our $2.15 Leader.

JUST THINK a 240 Pound Platform Counter Scale for $2.15. This scale would retail at more than double the price.

$2.15 SHOULD INTEREST YOU. This is an all purpose scale, weighing from ½ ounce to 240 pounds. This will take the place in many ways of a regular platform scale. It has fine steel bearings, tin scoop, brass beam. Weighs, boxed for shipment, 43 pounds.

No. 1420.

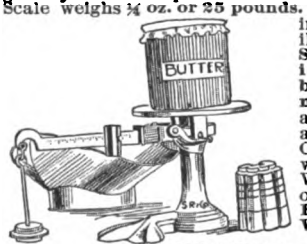
There are several similar scales on the market offered in a wholesale way at, or near our price, but not to compare in quality **within 50 per cent. of our SPECIAL PRICE OF $2.15.**

Our 25 Pound $1.65 Family Scales.

No. 1425 **This is a regular $3.50 scale,** never sold at retail for less than **$3.50.**

We make the price $1.65 complete. We bought a large number at a low price, to which we add our one small percentage of profit. The result is **$1.65.**

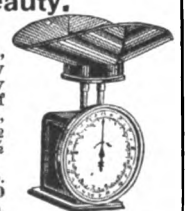
It will pay you to buy these scales and weigh your grocery and meat purchases. Weigh the butter. Scale weighs ¼ oz. or 25 pounds. The accompanying cut is a perfect illustration of **Our Special $1.65 Family Scales. No better family scale made.** Guaranteed absolutely accurate and well made. Can be used with or without scoop. Weighs from ¼ ounce to 25 pounds. **Retails at $3.50. We sell it for $1.65**



Our $3.50 Beauty.

Retails at $5 to $7.
We can sell them at $3.50.

Very handsome counter scale, suitable for family or grocery store use, guaranteed perfectly accurate. Made throughout of steel, beautifully japanned, striped, ornamented. Large 7½ inch glass sash. Weighs from ½ ounce to 25 pounds.



No. 1446 **Scale,** with tin scoop. Each.....**$3.50**
No. 1447 **Scale,** with brass scoop. Each.....**$3.90**
No. 1448 Same scale with marble slab 8½ inches square, instead of scoop.....**$4.20**

Our $2.50 Family Scale.

Your dealer would ask $5 for same scale.

No. 1452 **These family scales** weigh from 1 oz. to 25 lbs, made of finest steel throughout, beautifully japanned and ornamented throughout. Large brass dial, black figures, Aluminum hand, very sensitive, tin scoop. **Our special price, $2.50**

Our $2.75 Scales.

Worth double our price.

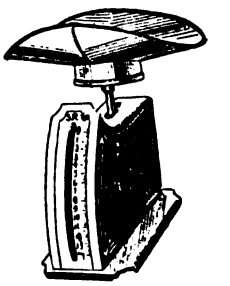
No. 1456 This is the handsomest, and most attractive 4 pound candy, lard, tea, spice or kitchen scale on the market. Beautifully finished in brass, **nickel plated.** Weighs 4 pounds by ounces. Every scale warranted accurate. Celluloid dial, large black figures.
Our price.....$2.75

ORDER BY NUMBER.

Our $1.90 Family Scale.

Sold by many at $4.

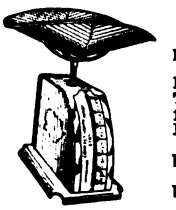
This is a very attractive scale for family, grocer or general use, extremely sensitive and entirely free from friction. All steel, japanned, upright brass dial, large black figures, easily read, absolutely unbreakable, tin scoop.



No. 1460 Weighs 12 pounds by ounces.....**$1.90**
No. 1461 Weighs 24 pounds by 2 ounces.....**$2.10**

Our $2.95 Scale.

Nothing Finer in a 6 or 12 pound Scale.

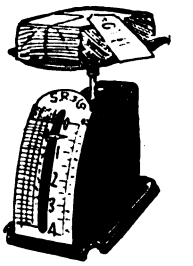


The latest, most attractive Kitchen, Tea, Candy, Spice or Tobacco Scale made. Beautifully finished in **nickel plate, Brass Dial.** Large black figures.

No. 1466 Weighs 6 pounds by ½ ounces.....**$2.95**
No. 1468 Weighs 12 pounds by ounces.....**$3.30**

Our $3.00 National Postal Scale.

No. 1470 **The National Postal Scale** indicates instantly the exact amount of postage in cents required for letters, books, newspapers and merchandise to any part of the United States or Canada.



Weighs up to 4 pounds by ½ ounces. Made of finest steel, japanned and nickel trimmed.
Price.....**$3.00**

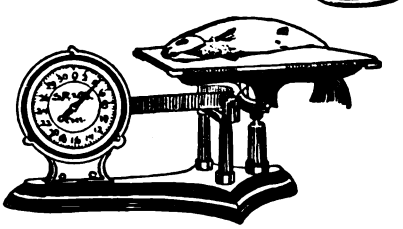
Our $2.20 Hanging Scale.

No. 1472 **Brass Dial, Large Black Figures.** Very sensitive and accurate. Weighs 25 pounds by ounces. Bow and steel pan galvanized. Can be instantly adjusted. Price....**$2.20**

Butcher's Peerless Scale.

One of the finest Scales made.

No. 1474 **Double Dial with Nickel Trimming.** Weighs 20 pounds by ozs. Very sensitive and accurate. Steel porcelain pan.
Our Special price.....**$5.10**



No. 1480 **Butcher's Scales,** with marble slab; to weigh 32 pounds by ounces; weight carefully packed in box for shipment, 40 lbs. Price.....**$8.70**

No. 1481 **Same as No. 1480;** to weigh 64 lbs. by 2 ounces; weight carefully packed in box for shipment, 40 lbs. Price.....**$9.95**

POSTAGE IS ONE CENT PER OUNCE, 16 CENTS PER POUND AND MUST BE PREPAID. WHEN YOU WANT GOODS SENT BY MAIL, YOU MUST NOT FAIL TO SEND POSTAGE IN FULL.

Digitized by Google

Spring Balances.

No. 1492.

No. 1494.

No. 1492 **Spring Balance,** to weigh 24 lbs. by ½ lbs. Shipping weight, 9 oz.
Price each.....**$0.08**
Price per doz..... **.87**

No. 1493 **Spring Balance,** to weigh 48 lbs. by pounds. Shipping weight, 12 oz.
Price each..... **$0.16**
Price per doz..... **1.73**

No. 1494 **Spring Balance,** with round tin dish; weighs 24 lbs. by ½ ponnds. Shipping weight, 1¾ pounds.
Price each..... **$0.20**
Price per doz..... **2.00**

No. 1495 **Spring Balance,** with round tin dish; weighs 50 lbs. by pounds. Shipping weight, 2½ lbs.
Price each..... **$0.35**
Price per doz..... **3.88**

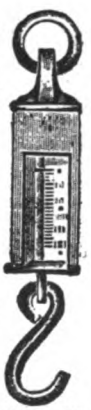
Finest Straight Spring Scale Made.

These scales are more compact, and have longer dials than other makes. While better in many ways than the old style, comparison will show that our prices are lower.

PRICES:

No.	Weight.	Price.
1496	50 pounds x ½ pound.	$0.38
1497	75 pounds x ½ pound.	0.88
1498	100 pounds x 1 pound.	1.05
1499	150 pounds x 1 pound.	1.33
1500	210 pounds x 2 pounds.	1.58

Ice Balances.



No. 1502.

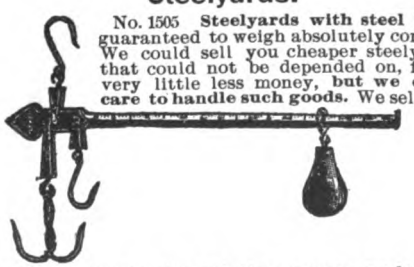
No. 1502 **Ice Balances,** strong and durable; weighs by 5 pounds. Shipping weight 4¼ lbs.
To weigh 200 lbs.....**$2.15**
To weigh 300 lbs..... **2.56**
To weigh 400 lbs..... **3.00**

30-Cent Professional Scale.

No. 1503.

Every doctor should have one.
No family should be without one.
This is a very beautiful and accurate scale, beautifully finished in brass, nickel plated, and offered at about one-half retail price.
No. 1503 10 pound scale.....**$0.30**
No. 1504 20 pound scale..... **0.40**

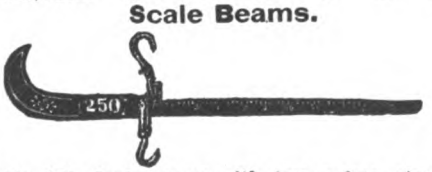
Steelyards.



No. 1505 **Steelyards with steel bars,** guaranteed to weigh absolutely correct. We could sell you cheaper steelyards that could not be depended on, for a very little less money, **but we don't care to handle such goods.** We sell this grade as low as you get the common grade elsewhere. The 50 lb. size weighs by ¼ lbs., larger sizes by ½ lbs.

Capacity, lbs.	50	100	150	200	250	300
Price, each.	$0.45	.50	.63	.80	.95	1.05

Scale Beams.



No. 1506 **Scale beams with two poises,** strong enough to weigh up to their full capacity without injury. With each scale beam we furnish poises as follows: 250-lb. beam, one 2-lb. and one 8-lb. poise; 400-lb beam, one 3-lb. and one 12-lb. poise; 600-lb. beam, one 8-lb. and one 16-lb poise; 1,000-lb beam, one 8-lb. and one 32-lb. poise; 1,200-lb. beam, one 16-lb. and one 32-lb. poise.

Capacity, lbs.....	250	400	600	1,000	1,200
Price, complete....	$0.95	1.50	2.00	3.30	4.00

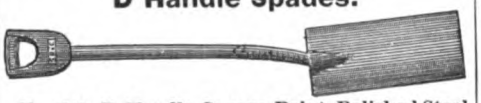
YOU CAN SAVE . . . THE PRICE OF YOUR SCALES.....
in a week by
"KEEPING TAB" ON .....WHAT YOU BUY AND SELL

DEPARTMENT OF GARDEN TOOLS.

In this line we offer only strictly high grade goods, made by concerns of well known and established reputation, and on this class of goods we are prepared to save you money. We can supply you at as little or less money than your dealer can buy in quantities.

It will pay you to include all these goods in your order. Let us ship by freight and get you the correct freight rate. **One trial order** will demonstrate. Our economic one small profit plan works a great saving to the buyer.

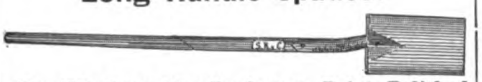
D Handle Spades.



No. 1540 **D Handle Square Point, Polished Steel Spades.** Back and front strap, riveted. Size 7½x12 inches, which is full regular size. Every spade warranted. Each, **$0.50**; per dozen.....**$5.50**

No. 1541 **D Handle Square Point Polished Spade.** made of solid crucible cast steel. Plain back socket straps. This is the highest grade spade on the market, every blade being made of selected crucible cast steel, fully warranted. Nothing better made. Size 7¼x12 inches. Each, **80c**; per dozen.....**$8.75**

Long Handle Spades.



No. 1542 **Long Handle Square Point Polished Steel Spades.** Back and front strap riveted. Size 7¼x12 inches, full regular size. Warranted selected hickory handles. Each, **50c**; per dozen.....**$5.50**

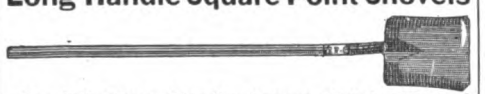
No. 1543 **Long Handle Square Point Polished Spade.** Made of solid crucible cast steel. Plain back socket straps. Same grade as our No. 1541. Fully warranted. Each, **80c**; per dozen.....**$8.75**

Square Point, Plain Back Shovels.

No. 1544 **D Handle Square Point Polished Shovels.** Back and front strap riveted. Size 9¾x12 inches, full regular size. Made of the best selected steel. Warranted. Each, **50c**; per dozen.....**$5.50**

No. 1545 **D Handle Square Point Polished Shovels.** Made of solid crucible cast steel. Plain back socket straps. Made of selected stock. Nothing better made. Size 9¾x12 inches. Every spade fully warranted. Each, **80c**; per dozen.....**$8.75**

Long Handle Square Point Shovels



No. 1546 **Long Handle Square Point Polished Steel Shovels.** Back and front strap riveted. Size 9¾x12 inches. Made of selected steel. Each, **50c**; per dozen.....**$5.50**

No. 1547 **Long Handle Square Point Shovels.** Made of solid crucible cast steel. Plain smooth back and socket straps, same grade as our No. 1545. Every shovel warranted. Best selected hickory handles. Each, **80c**; per dozen.....**$8.75**

Round Point, Solid Steel Shovels.

No. 1548 **D Handle, Round Point, Polished Steel Shovels.** Back and front straps riveted. Made of **steel, not iron.** Size, 9¾x12 in.
Each, **50c**; per doz.....**$5.50**

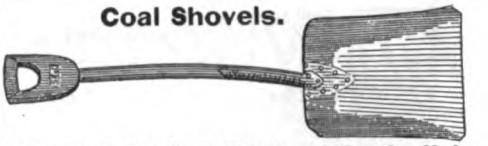
No. 1549 **D Handle, Round Point, Polished Solid Crucible Cast Steel Shovels.** Made of the highest grade cast steel. Nothing better made. Plain back socket straps. Every shovel warranted.
Each, **80c**; per doz.....**$8.75**

Long Handle Shovels.

No. 1550 **Long Handle, Round Point Shovels.** Polished steel. Riveted front and back straps. Size 9¾x12 in., full regular size. Each, **50c**; per doz**$.5.50**

No. 1551 **Long Handle, Round Point, Polished Solid Crucible Cast Steel Shovels.** Plain smooth back socket straps. Made of the finest cast steel. Nothing better made. Fully warranted.
Each, **80c**; per doz.....**$8.75**

Coal Shovels.



No. 1552 **D Handle, Polished Coal Shovels.** Made of extra fine cast steel. Plain back socket straps. Made of selected stock. Makes an excellent shovel for snow, grain or sawdust. Made in three sizes, as follows:

	Size of Blades.	Each.	Per Doz.
No. 1.	13 in. wide, 14½ in. long.	**$0.75**	**$ 8.10**
No. 2.	14½ in. wide, 15 in. long.	**.85**	**9.20**
No. 3.	15⅝ in. wide, 15⅝ in. long.	**.95**	**10.25**

No. 1553. **"Vaterland" Spades.** Made of the highest grade steel, full polished. The cutting edges being angular, no steps are required, which allows the blade to scour from end to end. You can do more work with this spade than any tool made. We use extra all white hickory handles. Every spade fully warranted. **Try one.** Each, **85c**; per doz..**$9.00**

Scoop Shovels.

No. 1559. **Steel Scoop.** Riveted. Eastern Pattern, polished. **A good farmer's scoop.**

	No. 3	No. 5	No. 7	No. 9
Width.....	12⅛ in.	12 in.	13⅜ in.	14¼ in.
Length.....	15½ in.	16½ in.	17½ in.	18¼ in.
Each.....	**$0.67**	**$0.72**	**$0.78**	**$0.83**

No. 1560. **Steel Scoop.** Riveted, Eastern Pattern, socket strap, polished. This is a strong, well made, durable scoop, and is warranted.

	No. 3	No. 5	No. 7	No. 9
Width.....	12⅛ in.	12 in.	13⅜ in.	14¼ in.
Length.....	15½ in.	16½ in.	17½ in.	18¼ in.
Each.....	**$0.82**	**$0.88**	**$0.95**	**$1.00**

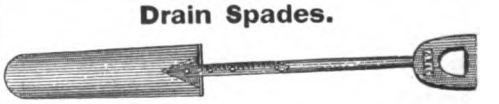
Wire Potato Scoop.

No. 1562. **Wire Potato Scoop.** Size 13½x16 inches.
Price, each..... **$ 1.00**
Price, per doz..... **11.88**

The Potato Scoop Fork.

No. 1564. **This Fork is unequalled for handling corn,** potatoes, onions, etc. Made of one solid piece of cast steel. Will screen dirt from vegetables; handle corn without sticking in the cobs; pitch fine manure better than any fork or shovel made. Made in two sizes, as follows:
10 tines 14 in. wide and 16 in. long. Each... **$1.15**
Per doz..... **12.25**
12 tines, 18 in. wide and 17 in. long. Each .. **1.45**
Per doz..... **15.90**

Drain Spades.



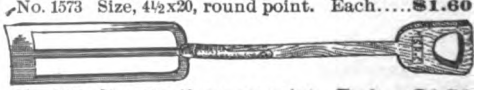
Drain Spade, solid steel, plain back, D handle, round point, blade tapers from 5½ inches at the step to 4½ inches at the point.
No. 1566 Length, 18 inches. Price, each..... **95c**
No. 1568 Length, 20 inches. Price, each.....**$1.c0**

Post Spade.

No. 1569 **Posr Spadc,** solid steel square point, D handle, plain back; size 6½x18 inchces. Each.....**95c**
No. 1570 **Same as No. 1569,** 6½x20 inches.
Price, each.....**$1.00**

Tiling Spades.

The well-known and popular Boss Tiling Spade, made only in the following sizes:
No. 1572 Size, 4¼x18, round point. Each.....**$1.55**
No. 1573 Size, 4½x20, round point. Each.....**$1.60**



No. 1576 Size, 6½x18, square point. Each....**$1.70**
No. 1577 Size, 6½x20, square point. Each.... **1.70**
No. 1578 Size, 6½x22, square point. Each.... **1.75**

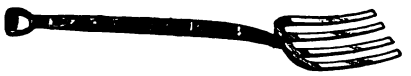
Digitized by Google

Drain Cleaners.

Adjustable Drain Cleaner, to push or pull, cast steel, polished. The strongest and best Drain Cleaner on the market.

No. 1580 Size, 4x16. Price, each.....85c
No. 1581 Size, 5x16. Price, each.....90c
No. 1582 Size, 6x16. Price, each.....95c

Spading Forks.

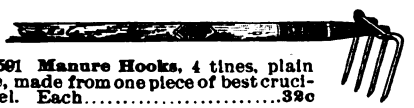


No. 1585 **D handle, capped ferrule, Spading Fork,** 4 flat steel tines. Price, each, 50c; Per dozen..$7.50
No. 1586 **D handle, capped and strapped ferrule, Spading Fork, 4 heavy angular steel tines.** The strongest and best spading fork made.
Price, each.....60c; Per dozen.....$6.50

Coke Forks.

Coke Forks. Made of the best cast steel, strapped ferrule. D handle.
No. 1587 Price, each, 10 tooth.....$1.35
No. 1588 Price, each, 12 tooth..... 1.75
No. 1589 Price, each, 14 tooth..... 1.90

Manure and Potato Hooks.



No. 1591 **Manure Hooks,** 4 tines, plain ferrule, made from one piece of best crucible steel. Each.....32c

Potato Hooks.

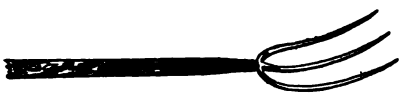
No. 1593 **Potato Digger,** 4 round tines.
Price, each.....25c; Per dozen.....$2.90
No. 1594 **Potato Digger,** 4 flat tines.
Price, each.....25c; Per dozen.....$2.90

Shovel Handles.

No. 1596. **Malleable "Ds" for fork or shovel handles.**
Price, each.....$0.07
Per doz..... 0.70

Get your neighbors interested, and club together for a mixed freight order.

Hay Forks.



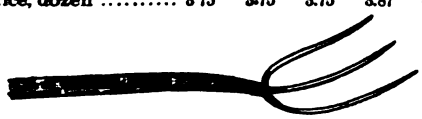
This cut shows the Plain Ferrule.

Straight handle, Plain Capped Ferrule Hay Forks, 3 oval tines, standard size and length; selected handles.

	No. 1597	No. 1597	No. 1598	No. 1599	No. 1600
Length of handle, ft..	4	4½	5	5½	6
Price, each.....	$0.29	$0.29	$0.29	$0.30	$0.31
Price, dozen	3.25	3.25	3.25	3.33	3.45

Straight handle, capped and strapped ferrule Hay Forks, 3 oval tines, standard size and length; selected handles.

	No. 1605	No. 1606	No. 1606	No. 1607	No. 1608
Length of handle, ft..	4	4½	5	5½	6
Price, each.....	$0.34	$0.34	$0.34	$0.35	$0.36
Price, dozen	3 75	3.75	3.75	3.87	4.00



This cut shows the Strapped Ferrule.

Bent handle, plain capped ferrule Hay Forks, 3 oval tines, standard size and length; selected handles.

	No. 1610	No. 1612	No. 1613	No. 1614	No. 1616
Length of handle, ft..	4	4½	5	5½	6
Price, each.....	$0.30	$0.30	$0.30	$0.32	$0.33
Price, dozen.....	3.30	3.36	3.39	3.50	3.62

Bent handle, capped and strapped ferrule Hay Forks, 3 oval tines, standard size and length; selected handles.

	No. 1618	No. 1620	No. 1621	No. 1622	No. 1624
Length of handle ft..	4	4½	5	5½	6
Price, each.....	$0.35	$0.35	$0.35	$0.36	$0.37
Price, dozen.....	3.92	3.92	3.92	4.04	4.17

REMEMBER OUR LIBERAL DISCOUNT OF 3 PER CENT.,.....
When cash in full accompanies order.

Four Tine, Bent Handle Hay Fork.

This Cut Shows Strapped Handle.

No. 1630 **Bent Handle Capped and Plain Ferruled.** 4 oval tines. Selected handles.

Length of Handles, feet.....	4½	5	5½
Price each.....	$0.41	$0.41	$0.45
Price, doz.....	4.30	4.30	4.85

No. 1631 **Bent Handle Capped and Strapped Ferrule.** 4 oval tines. Selected handles.

Length of Handles, feet.....	4½	5	5½
Price, each.....	$0.46	$0.46	$0.50
Price, doz	5.10	5.10	5.50

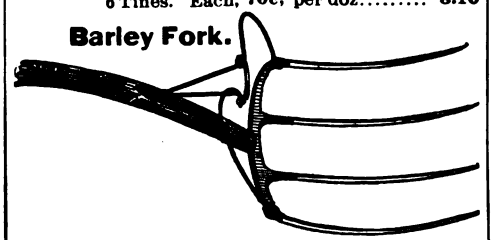
Manure Forks.

Made of best crucible steel, gold bronze finish, D handle, plain ferrule Manure Forks, oval tines 12 inches long. No better goods made anywhere.
No. 1635 4 tines; price, each 40c; doz..... $4.75
No. 1636 5 tines; price, each 57c; doz..... 6.75
No. 1637 6 tines; price, each 70c; doz..... 8.00
D Handle Capped and Straped Ferrule Manure Forks. Oval tines 12 in. long.
No. 1640 4 tines; price each 43c; doz..... $4.75
No. 1641 5 tines; price each 60c; doz..... 8.00
No. 1642 6 tines; price each 72c; doz..... 8.50

Long Handle Manure Forks.

Long Handle Capped Plain Ferrule Manure Forks. Oval tines, 12 in. long.
No. 1644 4 Tines. Each, 37c; per doz.....$4.25
5 Tines. Each, 57c; per doz..... 6.56
6 Tines. Each, 66c; per doz..... 7.65
Long Handle Capped and Strapped Ferrule Manure Forks. Oval tines 12 in. long.
No. 1645 4 Tines. Each, 40c; per doz.....$4.62
5 Tines. Each, 62c; per doz..... 7.05
6 Tines. Each, 70c; per doz..... 8.10

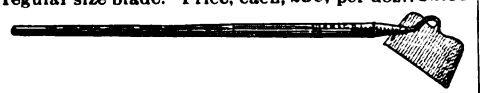
Barley Fork.



Steel Barley Fork with Adjustable Wire Ball and Brace. 4 tines 18 in. long. Long Handles.
No. 1648 Plain ferrule, each 65c; doz.....$7.60
No. 1649 Strapped ferrule, each 69c; doz ...$8.51

Hoes.

No. 1651 **Common Shaped Hoes, with Cast Steel Blade wielded to Shank.** Selected handles, full regular size blade. Price, each, 25c; per doz..$2.85



No. 1652 **Common Shaped Hoes, with Cast Steel Blade welded to Socket.** Selected handles, full regular size blade. Price, each, 28c; per doz..$3.00

Boys' Hoes.

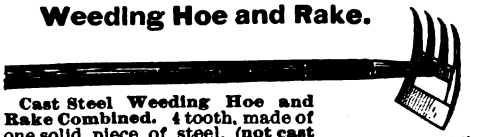
Common Shaped Boys' Hoes. Cast steel blade, solid shank. Selected handles, small size blade.
No. 1653 Each, 21c; per doz.....$2.40

Solid Shank Mortar Hoes.

Solid Shank Mortar Mixer. Finest hoe made for mixing mortar. Also an excellent hoe for cleaning irrigating ditches, as it allows the water to pass through the holes while the mud and refuse is drawn out. Blade 10 in. wide. Each, 50c; per doz....$5.580
No. 1655 **Same as above, without Holes in Blade.** Each, 45c; per doz.....$5.20

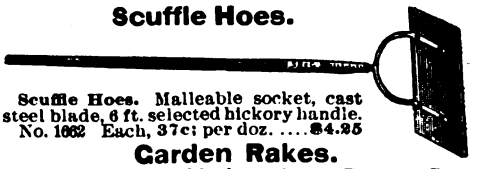
Warren Garden Hoes. Made of a piece of cast steel. **Polished Blades.**
No. 1657 **Garden Size.** Each, 45c; per doz...$4.30
No. 1658 **Field Size.** Each, 55c; per doz... ..$5.47

Weeding Hoe and Rake.



Cast Steel Weeding Hoe and Rake Combined. 4 tooth, made of one solid piece of steel. (not cast iron.) No. 1660 Each, 27c; per doz.....$3.25

Scuffle Hoes.



Scuffle Hoes. Malleable socket, cast steel blade, 6 ft. selected hickory handle.
No. 1662 Each, 37c; per doz. $4.25

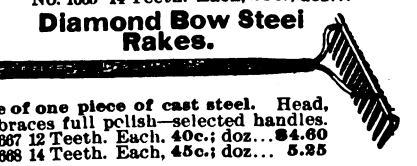
Garden Rakes.

Malleable Iron Curve Pattern Garden Rake.

ORDER BY NUMBER.

No. 1663 12 Teeth. Each, 20c.; doz...$2.00
No. 1665 14 Teeth. Each, 23c.; doz... 2.25

Diamond Bow Steel Rakes.



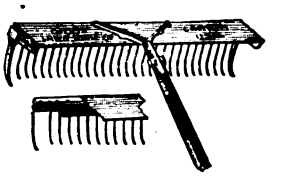
Made of one piece of cast steel. Head, teeth, braces full polish—selected handles.
No. 1667 12 Teeth. Each, 40c.; doz...$4.60
No. 1668 14 Teeth. Each, 45c.; doz... 5.25

The Hustler Lawn Rake

Braced steel head with 24 steel teeth wire teeth—light and durable. The best rake ever made for the money.

No. 1669 Price, each, 35c.; per doz.....$4.00

The Gibbs Lawn Rake. Solid malleable iron frame—30 wire teeth.
No. 1671 Each...50c
Per doz.....$5.95

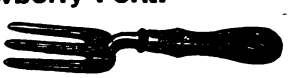


Carden Trowels.

No. 1672 **Garden Trowel.** Steel blade 6 inches long, steel shank. Hardwood handle, cherry finish.
Each ....$0.05 Per doz.....$0.54

Strawberry Fork.

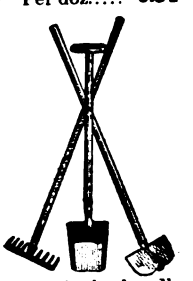
No. 1674 **Garden Fork.** Malleable hardwood handle.
Price, each.$0.05
Per doz..... 0.54



Excelsior Weeder.

No. 1675 **Excelsior Weeder, 5 Prongs, Japanned.** Malleable iron hardwood handle.
Price, each.$0.05
Per doz..... 0.54

Garden Sets.

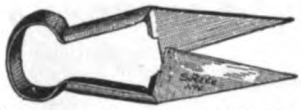


No. 1678 **The Wonder Garden Set.** Consisting of three pieces; spade—polished steel blade 4½ x 3¼ inches with handle 16 inches long; hoe, polished steel blade 3¾ x 2¼ inches with handle 24 inches long; rake, malleable iron japanned 3 inches in breadth with handle 22 inches long, all handles of hardwood varnished.
Price per set of 3 pieces as described above.....$0.15
No. 1680 **The Marvel Garden Set.** Same style as 1678 set but larger and better finished. Consists of three pieces as follows, spade, polished steel blade 5¼ x 3¾ inch, handle 18 inches long, hoe polished steel blade 5¼ x 3½ inch, handle 30 inches long, rake malleable iron turned, 5¾ inch, broad handle 30 inches long. All handles of hardwood varnished.
Price per set of three pieces as described above $0.20

IF YOU WILL MAKE UP AN ORDER OF GROCERIES AT THE SAME TIME YOU WANT OTHER GOODS, YOU CAN HAVE THE WHOLE SHIPMENT SENT BY FREIGHT AT A MINIMUM COST OF TRANSPORTATION.

Google

Grass Shears.



No. 1682 **Grass Shears,** like cut; bent handles; length of blade, 5½ inches. Not recommended for shearing sheep. Price, each, **20c;** per dozen.....**$2.25**

Pruning Shears.

No. 1683 **Hand Pruning Shears,** steel blade, malleable iron handles, brass springs. The most popular hand pruning shear made. Price, each, **20c;** per dozen.....**$2.35**

No. 1684 **Buckeye Pruning Shears,** ash handle, 22 inches long, 2 inch cast steel cutter. Price, each.**55c**

Hedge Shears.

No. 1685 **Hedge Shears,** notched blades, hardwood handles.

Sizes,	8	9	10	12
Each,	$0.85	$1.00	$1.10	$1.65

Tree Pruner.

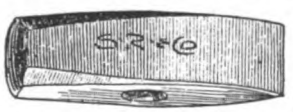
No. 1686 **The Standard Tree Pruner,** with latest improvements, is considered by fruit growers and gardeners **the best in the market.** Although the cutting blade is very thin, it being supported on **both sides** by the hook, makes **it strong and durable.** It will cut off the largest bough the hook will admit, and also clip the smallest twig. **No ladders are required,** as pruning can be done while standing on the ground.

No. 1687 Extra knives for above pruners, each, ...**20c**

Length, feet,	4	6	8	10	12
Weight, lbs.,	2¼	3	3½	4	4½
Price, each,	$0.40	$0.45	$0.50	$0.55	$0.60

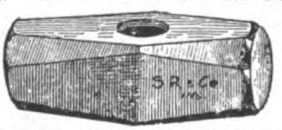
No. 1688 **Disston's Pruning Hook and Saw,** can be used either with or without saw, as the saw is easily and quickly taken off. The pole is not furnished. Price, each.....**$1.20**

Stone Sledges.



No. 1690 **Solid Cast Steel Stone Sledges.**

Weight, lbs.,	8	9	10	11	12	13	14	15	16
Price, each,	$0.64	.72	.80	.88	.96	1.04	1.12	1.20	1.28



No. 1691. **Sledge Handles,** second growth hickory, XXX grade. Each **10c;** per doz..... **$1.00**

No. 1692 **Solid Cast Steel Drilling or Striking Hammers.** (Without handles.)

Weight, lbs.,	2½	3	3½	4	4½	5	6	7	8	9	10
Price, each,	$0.30	.29	.33	.38	.43	.48	.48	.56	.64	.72	.80

Single Face Spalling Hammers.

Single Face Spalling or Stone Hammers, sold cast steel, polished face, oil finish. Nothing better made.

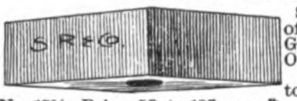
No. 1694 Price, 3 lbs. and under, per lb.....**10c**
No. 1695 " 3 to 5 lbs., " **9½c**
No. 1696 " 5 lbs. and over, " **9c**

Double Fac Spalling Hammers.

Double Face Spalling or Stone Hammers. Solid cast steel, polished face, oil finish.

No. 1700 Price, 3 lbs. and under, per lb.....**10c**
No. 1701 " 3 to 5 lbs., " **9½c**
No. 1702 " 5 lbs. and over, " **9c**

Stone Axe.



Stone Axe. Made of the Highest Grade Tool Steel. Oil finish.

No. 1703 Price, 3 lb to 5 lb, per lb.**16½c**
No. 1704 Price, 5 lb to 12 lb, per lb..... **16c**

Crow Bars.

Either Wedge or Pinch point. The top cut shows Wedge point; bottom cut, Pinch point.

No. 1706 **Wedge Point.** Solid steel Crow-bar. We have them weighing from 12 to 20 lbs.
The price per lb is.....**3c**

No. 1708 **Pinch Point.** Solid steel Crow-bar. We have them weighing from 12 to 20 lbs.
The price per lb is.....**3c**

Eureka Post Hole Digger.

No. 1709 **The Eureka,** cast steel blades with malleable iron mounting. Price, each.....**85c**

The "Western" Post Hole Digger.

The "Western" Post Hole Digger, cast steel blades, heavy malleable mounting, selected handles.

No. 1710 Each.....**75c;** Per dozen.....**$8.75**

Post Hole Augers.

These are the well known goods made by Vaughan & Bushnell; blades are of solid cast steel, spring tempered. The tube is hollow. They are made in the following sizes:

No. 1712 Vaughan's Post Auger 6 inch. Each.....**45c**
No. 1713 Vaughan's Post Auger 7 inch. Each.....**45c**
No. 1714 Vaughan's Post Auger 8 inch. Each.....**45c**
No. 1715 Vaughan's Post Auger 9 inch. Each.....**45c**

Post Mauls.

No. 1716 **Post Mauls,** solid cast iron, heavy, hickory handles.

Weight, lbs.....	10	13	16	18	20
Price, each..	$0.22	.25	.30	.40	.45

No. 1717 **Post Maul Handles,** each.....**8c**

Railroad Picks.

No. 1720 **Adze eye,** cast steel, axe finish Railroad Picks. Weights, 5 to 6 lbs. Each.....**30c**

No. 1721 **Hickory handle,** 36 inches long, for above picks. Each.....**9c**

Drifting Picks.

No. 1724 **Drifting Picks,** adze eye, oil finish.

No.....	1	2	3	4
Weight.....	3 lbs.	4 lbs.	4½ lbs.	5 lbs.
Each.....	30c.	34c.	36c.	39c.
Dozen.....	$3.50	$3.80	$4.10	$4.25

No. 1725 **Hickory handles for above picks,** 36 inches long. Each.....**9c**

BICYCLES BOUGHT OF US....

BEAR BURDENS BORNE ONLY BY BEST BUILT MACHINES. That you may be sure to get the best for your money, send for.....,....

Special Bicycle Catalogue.

Pick Mattocks.

No. 1727 **Pick Mattock** is a pick on one side and a mattock on the other, as shown in above cut. Adze eye, extra tool steel, axe finish. Price. each.....**45c**

No. 1728 **Handle for above.** Each.....**9c**

Mattocks.

No. 1730 **Mattock.** Long cutter, cast steel, adze eye, axe finish; weight 5 to 6 lbs. Each..... **$0.37**

No. 1731 **Mattock.** Short cutter, same as above; weight 4½ lbs. Each..... **$0.35**

No. 1732 **Handles for above.** Hickory, 36 inches long. Each..... **$0.09**

Grub Hoes.

No. 1734 **Grub Hoes,** adze eye, cast steel, axe finish, blade is about four inches wide.

Price, each..... **$0.35**

No. 1735 **Handles for above.** Each..... **.10**

Hazel Hoes.

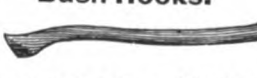
No. 1737 **Hazel Hoes.** Size is about 6 inch cut, 10 inch long, and weighs about 3 lbs. Adze eye, cast steel, axe finish.

Price, each..... **$0.40**

No. 1738 **Handles for above.**
Price each..... .. **$0.15**

ORDER BY NUMBER.

Bush Hooks.



No. 1749 **Bush Hooks,** cast steel, extra quality, handled. Each..... **$0.60**

No. 1741 **Grass Hook or Smooth Edge Sickle,** good quality cast steel, medium size.

Price, each. **$0.16**

Grain Sickles

No. 1742 **The Old Fashioned Grain Sickle** with rough edge, made from extra quality cast steel. Price, each, small **20c;** medium, **25c;** large..... **$0.30**

Grain Cradles.

No. 1744 **Morgan Grain Cradle,** 4 fingers, grape vine pattern, wood brace, ring fastening, silver steel scythe.

Price, each..... **$2.25**

No. 1745 **Grain Cradle,** same as above, with iron brace.

Price, each..... **$2.25**

Scythes.

No. 1746 **Dutchman Patern, Steel Back Scythe,** made of the very finest cutlas steel. Made from the best material, by the best workmen, by one of the largest and best manufacturers. This scythe is made to sell to those who are looking for the **best possible goods,** and is sold at our usual small profit. The scythe is very highly polished and has no paint or bronze to hide imperfection.

Price, each **45c;** per doz..... **$5.25**

No. 1748 **Dutchman Pattern Scythe,** same shape as above, painted aud bronzed.

Price, each, **40c;** per doz..... **$4.45**

No. 1750 **Clipper Pattern Scythe,** same grade and finish as 1746, only a different shape.

Price, each, **50c;** per doz..... **$5.75**

No. 1751 **Clipper Pattern Scythe,** bronzed, polished web, ground sharp, good or better than is usually sold. Price, each, **45c;** per doz..... **$4.85**

WE MAIL AN ELABORATE BABY CARRIAGE CATALOGUE FREE ON APPLICATION. OUR SPECIAL BICYCLE CATALOGUE ALSO ILLUSTRATES BABY SEATS TO CARRY THE BABY ON YOUR BICYCLE WITH YOU.

Weed Scythe.

No. 1753. **Weed Scythes.** Extra cast steel. Each..... .....$0.40 Per dozen.....$4.50

Bush Snath.

No. 1754. **Cast Steel Bush Scythe.** Price, each.$0.40

Grass Snath.

No. 1756. **Patent loop Scythe Snath** for grass scythes (not heavy enough for brush scythes), complete with wrench. Price, each.....$0.55

Bush Snath.

No. 1757. **Bush Snath for Bush Scythes.** Price.....$0.60

Scythe Stones.

No. 1759. **The celebrated Indian Pond Scythe Stones.** Price, each.....$0.05 Per dozen..... 0.50

No. 1760. **The Ragg Scythe Stone, flat.** Price, each..... $0.06 Per dozen.....$0.67

No. 1761. **The Black Diamond Stone,** (see cut) finest stone on the market. Nothing better. Price, each.....$0.07 Per dozen.....$0.75

The above are full size, Regular Goods.

Hay Knives.

No. 1764. **The old well known Lightning Pattern Hay Knife,** so well known an illustration is all that is necessary to describe it. Price, each.....$0.50

No. 1766. **The Heath Upright Hay Knife.** Made of the best material. Cast steel sections same as used on a mowing machine. Each.....$ 1.00 Per dozen..... 11.00

Corn Knives.

No. 1767. **The Acorn Corn Knife.** Cast Steel blade. 3 rivets. Price, each .....$0.22 Per dozen..... 2.40

No. 1796. **The Clipper Corn Knife.** Cast steel blade; handle riveted on. Price, each.....$0.20 Per dozen $2.30

Corn Hooks.

No. 1771. **Corn Hook.** Common pattern, cast steel blade, two rivets. Price, each, $0.15 Per dozen .. 1.75

Lightning Corn Knife.

No. 1772. **Made of the finest oil tempered steel, full polished.** Each,$0.30 Per dozen..... 3.33

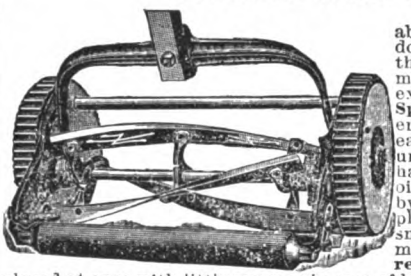
OUR ACME HIGH GRADE LAWN MOWERS.

For the coming season we offer the **Highest Grade Lawn Mowers** at prices that will defy competition. The enormous grade we were favored with last year has induced us to make very extensive preparations for the coming season. We have contracted with one of the largest and most reliable makers in the country for such a large quantity on the basis of cost to produce, that we can now offer our customers a strictly high grade guaranteed Lawn Mower for about one-half the price they would be compelled to pay local dealers. **OUR ACME LAWN MOWERS** are guaranteed the best made. While we invite a close comparison of our prices with those of any other house on strictly high grade machines, we do not wish them compared with inferior machines, which were made to sell and not for service. Every Acme Machine is guaranteed to give perfect satisfaction. The Acme has many reliable improvements not found in other makes.

THE ACME MOWERS

Have the Latest Patent Micrometer Adjustment. The adjusting box is held in position on the frame by a bolt and nut at the end opposite the set screw. By moving the set screw the adjusting box is carried upward or downward, enabling the reel knives, which are carried on the axle, to be adjusted to the cutter bar as may be desired or is necessary. Tightening one screw and loosening the other, brings the reel bars closer to the cutter bar, and vice versa. **We claim this to be the greatest improvement ever made in Lawn Mowers.** The adjustment is not only easy, simple and accurate, but it allows the reel knives or more delicate parts of the apparatus to be adjusted to the cutter bar or heavier part, instead of the reverse, as on other makes. The application of this principle makes another advantage possible, that of a solid and permanent attachment for the cutter bar, thus greatly increasing the strength and wearing qualities of the Mower.

Our $2.35 Razor Blade Acme Lawn Mower.

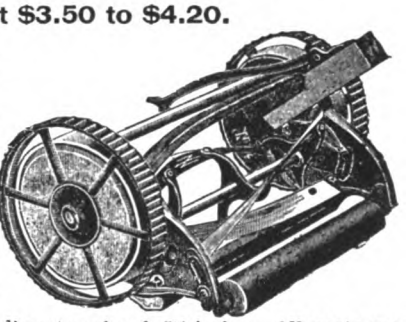


At $2.35 we offer a lawn mower which will **compare favorably** with any machine you can buy in your local market at double the price. After thorough and exacting tests we offer this lawn mower, confident that it will justify every claim we make for it. It is especially adapted to small lawns. It is extremely light, making it easy to carry from place to place. **Special care** has been taken in the selection of all the material entering into its construction. Simplicity of construction, easy and accurate operation, durability and finish make this undoubtedly the best light mower on the market. The mower has an improved cutter-bar of solid tool steel, tempered and oiled. **The knives** have a positive shear cut and are regulated by the improved micrometer adjustment. **The shafts** run in phosphor bronze bearings, adding greatly to the ease and smoothness of running. **New malleable iron handle brace** made in one piece. **Diameter of traction wheel,** 7 inches; **reel,** 5 inches. **All parts are interchangeable** and can be replaced at once with little expense in case of breakage or wear.

No. 1774. Your choice of 10-inch, 12-inch, 14-inch or 16-inch.....$2.35

Remember there is a 3 per cent. cash discount if cash in full accompanies your order.

Our Acme Lawn Mowers At $3.50 to $4.20.



12, 14 and 16 inch Mower at $3.50; 18 inch at $3.85 and the 20 inch at $4.20. **Three per cent. discount** allowed if cash in full accompanies your order.

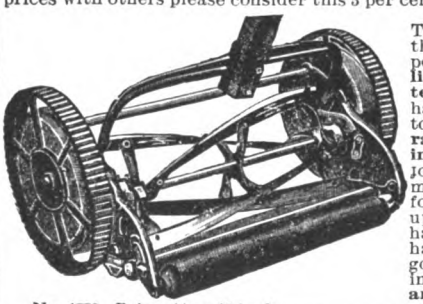
This is our standard high grade Acme machine and is greatly improved for this season. The drive wheels are open for one-inch below the tread, though the working parts are completely enclosed. **It is the easiest running lawn mower made** because the handle brace is so attached to the drive wheel that the power is applied to the center of motion. **This machine** is especially designed for cutting thick and heavy grass with ease, the handle having a malleable iron hook which is adjusted to the shrubbery guard, thus holding the machine rigidly to the ground no matter how heavy the grass. In light grass this hook is thrown back on the handle. This mower has our **patent micrometer adjustment, solid steel cutter bar, noiseless ratchet, new malleable iron brace, bearings** of phosphor bronze. The body of this machine is hand painted in cream white and decorated in maroon and gold. **Diameter of traction wheel,** 8½ inches; diameter of reel, 5½ inches. **All parts are interchangeable** and can be duplicated at once in case of breakage or wear.

No. 1775 12, 14 or 16 inch mower, price.....$3.50
No. 1776 18 inch mower, price..... 3.85
No. 1777 20 inch mower, price..... 4.20

Our High Grass Acme Lawn Movers at $5.60 to $6.50.

$5.60 for 14 and 16 inch; $5.90 for 18 inch; $6.25 for 20 inch; $6.50 for 22 inch.

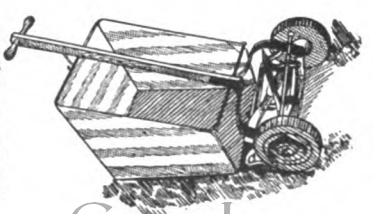
Three per cent. discount allowed if cash in full accompanies your order. When comparing our prices with others please consider this 3 per cent cash discount.



This mower has been greatly improved for this season. The **drive wheel** has been made open for 2 inches down from the tread, thus making it lighter and of a more elegant appearance. Its working parts are entirely enclosed. It is the **lightest running high grass machine made.** Has our **patent micrometer adjustment,** has solid steel **cutter bar,** has reel knives of highest grade crucible steel, so formed as to give a spiral and shear cut, has our **patent noiseless ratchet,** the most perfect mechanism of the kind. **Reel shafts in phosphor bronze bearings** with a perfect arrangement for taking up any wear. Has our **improved handle brace** of malleable iron in one piece, which is attached to machine before leaving the factory, thus reducing the work of setting up to the minimum, it being only necessary to insert the handle bar and fasten the bolts. The body of the machine is hand painted in cream white and decorated in maroon and gold. **Ratchet wheel** 10 inches in diameter, **reels** 7 inches in diameter. Has 4 knives. **All parts are interchangeable and can be duplicated at once.**

No. 1778 Price, 14 or 16 inch.....$5.60
No. 1779 Price, 18 inch..... 5.90
No. 1780 Price, 20 inch..... 6.25
No. 1781 Price, 22 inch..... 6.50

Our Acme Universal Catcher for $1.00.



This is a grass catcher that will fit any lawn mower made. Heavy canvas body, blacked sheet steel bottom. **The catcher** is attached to the handle only and is entirely independent of the mower proper. **Can be attached or taken off in an instant.** Can be used on any lawn mower made. Is guaranteed to give satisfaction in every case.

No. 1782 To fit 10, 12, 14 or 16-inch mower.....$1.00
No. 1783 To fit 18 or 20-inch mower 1.05

OUR LIBERAL DISCOUNT OF 3 PER CENT. MUST NOT BE OVERLOOKED. MOST OF OUR CUSTOMERS SEND CASH IN FULL.

Digitized by Google

PUMP DEPARTMENT.

PROBABLY THERE IS NO OTHER LINE OF GOODS THAT WE SELL ON WHICH WE CAN SAVE OUR CUSTOMERS MORE MONEY THAN WE CAN ON PUMPS. We fit all our pumps, so any one can set them in the well without any trouble. The only special tool required is a pipe tong. We sell a pipe tong for $1.00, and everyone who has a pump should have one. We have tried to make explanations of pumps so plain that anyone will be able to select the pump best adapted to his needs. **If in doubt, write us, giving us this information: How deep is well? Is force pump or lift pump wanted? How much water is wanted per day? When water is to be drawn from a distance or forced to a distance, send a rough drawing showing position of pump, position of well, and giving all angles and measurements. Also state quantity of water wanted.** We will select the outfit, which our pump man, with an experience of twenty years, thinks will give you the best satisfaction, and name you our best price for the outfit. **Don't forget our liberal 3% cash discount, when cash in full accompanies your order.**

Pitcher Spout Pump.

This cut represents our Close Top Pitcher Spout Pump. These pumps are made in the **very best manner** and have the revolving bearer which by loosening the set screw allows handle to be placed on either side or back, in any position desired. The cylinders of these pumps are bored true and polished. They have Trip Valves, by which the water may be let out of the pump in the winter by raising the handle until it trips the lower valve. They are fitted with connection for either lead or iron pipe. Pipe is not included in price. See index for pipe. We also make this pump with Brass Lined Cylinder. It is a well known fact that leather plungers operating in brass cylinders are almost indestructible. **We can fully recommend them where the best is wanted.**

Sizes and Prices.

No. 1807.		Iron.	Brass-Lined
No. 1	2½ inch calibre, for 1 inch pipe.	$0.90	$1.39
No. 2	3 inch calibre, for 1¼ inch pipe.	1.00	1.55
No. 3	3½ inch calibre, for 1¼ inch pipe.	1.12	1.80
No. 4	4 inch calibre, for 1½ inch pipe.	1,23	1.92

Iron and Brass Lined Force Pump.

With Air Chamber, Revolving Bearer and Brass Piston Rod.

This is a Staple Pump for House Use. It is usually placed on a kitchen sink or elevated platform, and used to force water up into a tank or reservoir to supply bath rooms and wash basins. The air chamber is fitted with an outlet into which a draw cock may be screwed if desired. Hose may also be attached to the cock for sprinkling or fire purposes, in which case it is best to put a stop-cock on the upward discharge. These pumps have **brass valve seats,** and are fitted for iron or lead pipe.

Sizes and Prices without Cocks.

		Iron	Brass lined.
No. 1808	No. 1, 2½ in. Cylinder for 1 in. pipe	$4.53	$5.63
No. 1809	No. 2, 2½ in. Cylinder for 1 in. pipe	4.90	6.12
No. 1810	No. 4, 3 in. Cylinder for 1¼ in. pipe	5.88	7.35
	Prices with Cock, as in cut.		
No. 1812	No. 1, To fit ¾ in. hose coupling.	5.50	6.60
No. 1813	No. 2, To fit ¾ in. hose coupling.	6.10	7.32
No. 1815	No. 4, To fit 1 in. hose coupling.	7.10	8.57

We can fully recommend our Brass-Lined Pumps to be equal to an all brass one and much cheaper. The cylinder is lined with a seamless drawn brass tube. The plunger, piston rod, stuffing nut, and all working parts are brass, and as leather plungers operating in brass cylinders are known to be almost indestructible, **parties wishing a first-class Pump will give them the unhesitating preference.**

Anti-Freezing Wrought Iron Lift Pump.

Suitable for wells not more than 30 feet deep. It measures 4 feet from flange at platform to bottom of cylinder. The flange is adjustable, which makes it especially suitable for drive wells. Shape of spout prevents flooding at the top. Has 3x10 iron cylinder of good quality, fitted for 1¼ inch iron pipe. If well is more than 20 feet deep we recommeud placing a foot valve on end of pipe at bottom of well.

No. 1817 Price for pump as shown in cut.....$2.47

NOTICE.—This price does not include the pipe to reach from the bottom of the cylinder to bottom of well. For pipe see 1955.

OUR PUMPS

ARE MADE BY THE LEADING MANUFACTURER IN HIS LINE.

MONEY DOESN'T BUY BETTER.

Anti-Freezing Closed Top Lift Pump.

Adapted for wells not more than 30 feet deep. Has revolving top so handle may be placed on either side or at back of spout in any position desired. It measures four feet from platform to bottom of cylinder. The pipe connecting cylinder and pump, screws into the pump at the spout, thus leaving an air space around the pipe above the platform which is a preventative against freezing. The cylinder is of the best quality and is fitted for 1¼ inch pipe unless otherwise ordered. If well is more than 20 feet deep we recommend placing a foot valve on end of pipe at bottom of the well. Pipe to reach from bottom of cylinder to bottom of well is not furnished at prices named below.

Sizes and Prices.

No. 1820	No. 2, 2½ inch cylinder...	$2 60
No. 1822	No. 3, 2¾ inch cylinder...	2 70
No. 1824	No. 4, 3 inch cylinder...	2 80
No. 1826	No. 5, 3¼ inch cylinder...	3 35
No. 1828	No. 6, 3½ inch cylinder...	3 65

Heavy New Pattern Close Top Lift Pump.

Adapted for wells not more than 80 feet deep. The bolts on cap and pitman are large, and will **many times outwear the small ones in ordinary use.** The pipe is screwed into pump just below the spout, which prevents freezing in winter. Has revolving top so handle may be placed in any desired position. Has swinging fulcrum. **The cylinder is of the best quality,** and fitted for 1¼ in. pipe unless otherwise ordered. It measures 4 ft, from flange at platform to bottom of cylinder. For wells not more than 25 or 30 ft. deep order the pump as shown in cut, and enough pipe to reach from bottom of cylinder (4 ft. from platform) to the bottom of well. **Pipe is not included with pump. For price of pipe see 1955.**

Sizes and Prices as Shown in Cut.

No. 1830.	No. 2. 2½ in. cylinder.	$3.28
No. 1831.	No. 3. 2¾ "	3.39
No. 1832.	No. 4. 3 "	3.57
No. 1833.	No. 5. 3¼ "	3.78
No. 1834.	No. 6. 3½ "	3.96

When this pump is ordered for well more than 25 or 30 feet deep, the cylinder should be placed within 10 feet of the bottom of well. When so ordered it takes more pump rod and pump rod couplings, and requires extra labor, for which we make an extra charge of 5 cents per foot for each foot the cylinder is put down. This charge is to be added to cost of pump and pipe complete.

NOTICE.—The cost of pipe is not included in above extra charge. We give below a sample order for pump and pipe complete to reach 74 feet from platform with cylinder put down 65 feet.

No. 1832	1 pump, No. 4	$ 3.57
No. 1955	70 feet black iron pipe, 1¼ inch. at 5½c	3.85
	To putting cylinder down 65 feet, at 5c.....	3.25
		$10.67

Heavy Lift Pump with Windmill Head.

Adapted for wells not more than 80 feet deep. May also be used for hand use. Pipe screws into standard at the spout. Has revolving top and swinging fulcrum. **All parts are strong and durable. We can fully recommend it as a first-class pump.** Measures 4 feet from platform to bottom of cylinder. For wells not more than 25 or 30 feet deep order pump as shown in cut and enough 1¼ inch iron pipe to reach from bottom of cylinder (4feet below platform) to bottom of well. Price of pipe is not included in price of pump. For price of pipe see 1955.

Sizes and Prices as Shown in Cut.

No. 1840.	No. 2. 2½ inch cylinder.	$3.40
No, 1841.	No. 3. 2¾ inch cylinder.	3.50
No. 1842.	No. 4, 3 inch cylinder.	3.60
No. 1843.	No. 5. 3¼ inch cylinder.	3.70
No. 1844.	No. 6. 3½ inch cylinder.	3.90

When this pump is ordered for wells more than 25 or 30 feet deep cylinder should be placed within 10 feet of the bottom of the well for which we make an extra charge in addition to cost of pump and pipe same as explained under pump No. 1834.

Extra Heavy Lift Pump.

For Stockyard and Heavy Work.

This cut represents our Heavy Set-Length Lift Pump, adapted for stockyards and wells, where large quantities of water are required. It measures 4 feet from flange at platform to bottom of cylinder. **The Set-Lengths** are screwed in the pumps at the spout to prevent freezing in winter. **The stocks are made very heavy and strong,** and the cylinders are large and capable of throwing large quantities of water. **We fully recommend it where a large amount of water is desired.**

Sizes and Prices.

No. 1850 3½ inch cylinder, fitted for 1½ inch pipe.....$4.52

No. 1851 4 inch cylinder, fitted for 1½ inch pipe.....$4.91

Price of pipe is not included in above prices. For Pipe see No. 1955.

Extra Heavy Lift Pump.

Extra Heavy Lift Pump for Stock Yard and Heavy Work. This pump is exactly like No. **1850** and **1851** except it has windmill head and is made in three sizes. When well is more than 20 feet deep, we recommend putting a foot valve at end of pipe in bottom of well.

No. 1854 3½ inch cylinder, fitted for 1½ inch pipe..... $5.35

No. 1855 4 inch cylinder, fitted for 1½ inch pipe..... $5.65

No. 1856 4 inch cylinder, fitted for 2 inch pipe..... $6.00

Price of Pipe is Not Included in Above Prices. For Pipe See No. 1955.

Heavy Force Pump.

Adapted for wells not more than sixty feet deep. The pipe which connects cylinder to pump is screwed into pump at the spout, **thus preventing freezing in winter.** It has an outlet in rear of spout where a one inch pipe may be attached if desired, as shown in cut of No. 1870. Hose may be attached to the spout by means of the clevis which we furnish as shown in cut. We can also furnish with cock at spout if so ordered at extra price named below. It measures 4 feet from flange at platform to bottom of cylinder. They are made in two sizes of standards, medium and large. The large pump will give best results in deep wells; fitted for 1¼ inch pipe unless otherwise ordered. When used for force pump, set the thumb screw down tightly; when used as a lift pump, loosen the screw.

No.	Size.	Size of Cylinder	Price of Medium Pump	Price of Large Pump.
1860	2	2½x10	$4 32	$4 55
1861	3	2¾x10	4 40	4 60
1862	4	3 x10	4 50	4 67
1863	5	3¼x10	4 68	4 87
1864	6	3½x10	4 86	5 05

Extras.

The above prices are for pump as shown in cut. Price of pipe to reach from bottom of cylinder to bottom of well is not included. For pipe see 1955. If this pump is ordered for well more than 25 or 30 feet deep, the cylinder should be placed within 10 feet of the bottom of the well. When so ordered we make an extra charge of 5 cents per foot for each foot the cylinder is put down. For full information read description of pump No. 1834.

These pumps can also be fitted with cock at spout, (see illustration of pump No.1870) for which we make an extra charge of 50 cents.

These pumps can also be fitted with back attachment, (see illustration of pump No. 1870) for which we make an extra charge of 90 cents.

Wind Mill Force Pump.

This pump is exactly like No. 1860 except it has a windmill head. We can fully recommend both of them as powerful force pumps. Size 8 is fitted for 1½ inch pipe, other sizes fitted for 1¼ inch pipe, unless otherwise ordered.

	Size	Size of Cylinder	Price of Medium	Price of Large
No. 1870	2	2½x10	$4 68	$4 88
No. 1871	3	2¾x10	4 78	5 08
No. 1872	4	3x10	4 87	5 25
No. 1873	5	3¼x10	5 05	5 40
No. 1874	6	3½x10	5 22	5 60
No. 1875	8	4x10	5 76	6 00

Extras same as pump No. 1834.

Above prices are for pump without cock at spout and without back attachment. For prices of these extras see pump No. 1864.

Digitized by Google

Hand Force Pump.

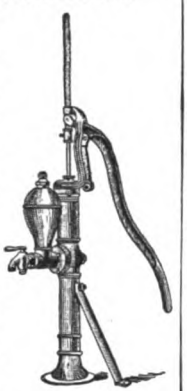
This is a popular and powerful Force Pump, and when cylinder is put down is adapted for wells not more than 80 feet deep. We furnish hose attachments, free. Back attachment as shown in illustration of pump No. 1870, and cock at spout can be furnished at extra charge named below. It is a most excellent force pump and cannot fail to give satisfaction.

Prices.

No. 1881 2¾ inch cylinder....**$5.04**
No. 1882 3 inch cylinder.... **5.06**
No. 1883 3¼ inch cylinder.... **5.25**
No. 1884 3½ inch cylinder,... **5.40**

Extras same as pump No. 1870.

Extra Heavy Force Pump Standard only with Windmill Head.



For very deep wells we offer this standard only with windmill head and cock spout. Back attachment as shown in illustration of pump No. 1870 can be furnished at extra charge of 50c. if ordered. To make complete outfit besides the standard select the cylinder desired. (See No. 1926 to 1943) Order the required pipe. (See No. 1955) Say how many feet you want cylinder put down, and to cost of standard cylinder and pipe add 5c. per foot for each foot the cylinder is put down, which covers cost of pipe rod, rod couplings, labor, etc. As a guide to making order see No. 1834, adding cost of cylinder selected. We have this standard in two sizes and can have fitted for pipe as large as 3 inches if so ordered, and top outlet any size requested. When no size is mentioned we fit it for 1¼ pipe and tap back outlet for 1 inch pipe. We furnish regular for 6 inch stroke, but can furnish 10 inch stroke if ordered at extra charge named below. When ordered 10 inch stroke state if for tube well purposes or if forked rod is desired.

Sizes and Prices. List.

1886 No. 1. With Brace, 6 inch stroke $5.95
1888 No. 2. With Brace, 6 inch stroke,..... 6.60
Extra for 10 inch stroke..... .50
Extra for back attachment 90

Underground Valve Force Pump.

This Pump is especially adapted for 2 inch tubular wells, also 1¼ inch pipe for open or drilled wells. By operating the wheel in the top of the goose neck, the water may be discharged either through the spout or through the underground pipe at the bridge piece below. It differs from other three-way valve pumps in that the operating screw, which is of brass, is below, near the valve, and not at the goose-neck, consequently there is no liability to chill and freeze. The pipe on the rightforms the air chamber. When this pump is used for tubular wells, it is made with a cap at the stuffing box which, when unscrewed, leaves an opening large enough to pull the plunger up through without disconnecting the pipe, or disturbing the pump in any way. **All parts of the pump are strong and well made. We can most unhesitatingly recommend this pump as the best of its kind in the market.** This pump is always sent for 2 inch pipe, but may be bushed for smaller sizes. One and one-fourth inch discharge pipe. Goose neck to fit 1 inch hose coupling.

Prices.

No. 1890 6 inch stroke..... ...**$7.00**
No. 1892 10 inch stroke..... **8.00**

Suction pipe and rod coupling connect at B; discharge pipe connects at A.

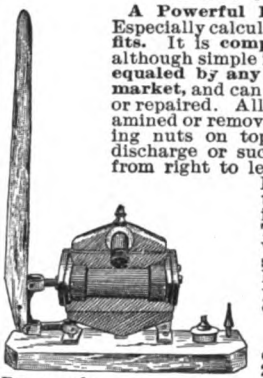
Extras.

To make complete outfit select cylinder desired, and quantity of pipe wanted for suction, also number of feet of pipe wanted for discharge. State number of feet cylinder shall be put down and in addition to cost of standard cylinder and pipe add 5 cents per foot for each foot the cylinder is put down. For sample order see No. 1886-87.

A $25.00 GUN FOR $16.35.

SEE GUN DEPARTMENT, PAGE 569. OUR LINE OF SPORTING GOODS IS MOST COMPLETE.

Tank Pump.

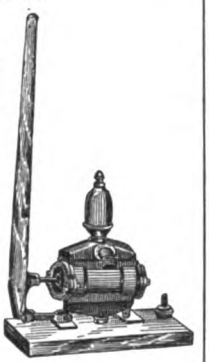


A Powerful Double-Acting Pump. Especially calculated for **thresher's outfits.** It is **compact and strong,** and although simple in construction, **is unequaled by any other pump in the market,** and can be easily taken apart or repaired. All the valves can be examined or removed by simply unscrewing nuts on top and bottom. The discharge or suction can be changed from right to left by reversing caps. Handles can be changed to either end, making it either right or left. This Tank Pump is so well known it needs no special description. The large number sold in past years is sufficient evidence of its value.

Prices.

No. 1894 Diameter cylinder, 5 in.; suction, 2 in.; discharge, 2 in., Pump only.....**$6.00**
No. 1896 **2 in. Wire Lined Smooth Bore Suction Hose,** per foot.....**$0.35**

Double-Acting Tank Pumps with Air Chamber.



These Pumps are duplicates of No. 1894 with the exception of air chambers. These pumps are **especially valuable on board ship for washing deck, wetting sails or extinguishing fires,** also around wharves, factories, mills, warehouses, livery stables, lumber yards, irrigating from ditches or shallow wells, spraying fruit trees, shrubs, drives, etc., and any other purpose where a force pump is needed, and when used with our double brake is a powerful fire pump, quickly placed in position in any location.

No. 1898 With single brake, mounted on plank... **$7.67**
No. 1899 With double brake, mounted on plank.....**$ 9.00**

Wood Pumps.

Our Wood Pumps are made from selected stock, thoroughly painted, striped and varnished. They are carefully wrapped in strong paper for shipment. They are furnished with iron handle brackets and iron spouts. The plunger which is the vital part of a suction pump is of the latest improved pattern. Adapted for wells not more that 30 feet deep.

To Select a Pump.

For wells 20 ft. or less deep use 6 ft. pump.
" 20 to 25 ft, " " 7 ft. "
" 25 to 30 ft. " " 8 ft. "

Bottom of 6 ft. pump comes 2 ft. below platform. Bottom of 7 ft. pump comes 3 ft. below platform. Bottom of 8 ft. pump comes 4 ft. below platform.

Besides the pump order enough tubing of size to match pump to reach from bottom of pump to bottom of well. Tubing comes in lengths of 12 ft. and less. When more than 12 ft. of tubing will be required order a coupling to connect the tubing. Prices of tubing and couplings will be found with each pump.

Stock Pump.

Stock Pump is 7 inches square, 4 inch bore, 10 inch stroke. Capacity 80 gals. per minute. These pumps are particularly adapted to the wants of farmers and stockmen using large quantities of water. They should not be used in wells where the water is more than 15 or 20 ft. from the platform, as the quantity of water which the pump lifts at each stroke would cause it to work hard in deep wells.

No.	Length,	Price Plain Pump.	Price Porcelain Lined Cylinder.
1901	6 feet.	$2.80	$3.50
1902	7 feet.	3.10	3.85
1903	8 feet.	3.40	4.10

No. 1904 Tubing for above pump 4½ inches square, 2 inch bore, per feet..... .....**$0.09**
No. 1905 Couplings for tubing, each..... **.25**

Farm Pump.

General Purpose Pump is 6 inches square 3½ inch bore, 9 inch stroke. **Capacity, 60 gallons per minute.** While this pump throws an ample supply of water, ladies and children can work the pump with ease.

No.	Length.	Price Plain Pump.	Price with Porcelain lined cylinder.
1906	6 feet.	$2.25	$3.00
1907	7 feet.	2.50	3.25
1908	8 feet.	2.80	3.60

No. 1909 **Tubing to fit above pump 4 inches square with 1¾ inch bore. Per foot**.....**$0.08**
No. 1910 Coupling for above tubing, each.... **.25**

Cistern Pump.

Cistern Pump is 5 inches square, 3 inch bore, 8 inch stroke. **Capacity 40 gallons per minute.** This pump is adapted to cisterns and shallow wells where a moderate quantity of water is required.

No.	Length.	Price Plain Pump.	Price with Porcelain lined cylinder.
1911	6 feet.	$1.95	$2.60
1912	7 feet.	2.05	2.75

Tubing to fit above pump 3½ inches square, 1½ inch bore. Per foot, 6c; Couplings for above tubing. Each.....**$0.18**

Rubber Bucket Chain Pumps.

No. 1913 **Rubber Bucket Chain Pump,** complete for well ten feet deep.... **$3.25**
No. 1914 **Rubber Bucket Chain Pump,** complete for well 12 feet deep..... **$3.50**
No. 1915 **Rubber Bucket Chain Pump,** complete for well 15 feet deep..... **$4.00**
No. 1916 **Rubber Bucket Chain Pump,** complete for well 18 feet deep..... **$4.25**
No. 1917 **Rubber Bucket Chain Pump,** complete for well 20 feet deep..... **$4.50**
We do not advise the use of chain pumps for wells deeper than 20 feet.
No. 1918 **Bubber Buckets for Chain Pump.**
Each 6c; per doz..... **$0.60**

Spraying Pump.

The working parts and all parts coming in contact with the liquids are constructed entirely of brass. The construction of the pump requires the pressure on the handle to be all done on the down stroke, the pressure on the cylinder acting as a cushion, and partly forcing the handle up again, thus making it very easy of operation, requiring no foot rest or other device to steady it. The hose can be detached at the top of pump and a nozzle attached in its place, either for **spraying, sprinkling, or throwing a solid stream.** No wrench or other tool is required to make this change. **This feature is peculiar to this pump only.** It is also arranged so that a small stream is discharged with great force from the bottom of the pump into the bucket or barrel, serving to thoroughly agitate the mixture at all times when the pump is in use. The agitator does not lessen the force of the spry at the nozzle. It will be readily seen that the arrangement for attaching the hose at the top of the pump has this advantage over attaching it at the bottom: it does not bring the outside surface of the hose into contact with the acids contained in the solutions, thus adding to the life of the hose. It will throw a solid stream seventy-five feet, and for washing buggies, windows, etc., it is very useful. **It can also be usee for whitewashing trees, barns, outhouses, etc., and for extinguishing fires.**

No. 1921 Price, each.....**$2.35**

Pump Cylinders.

By means of the cylinder water is raised, and unless the cylinder is well made no good results can be obtained. A good cylinder must be bored true and plunger must fit accurately. Valves must be simple and durable. The cost of repairing a cylinder is usually more than its first cost, so it pays to get the best. Our cylinders are the best that skilled workmen can produce, and our price as low as equally well made goods can be sold for. Cylinders 10 long have 6 inch stroke and can be used in wells up to 35 feet deep. Cylinders 12 inches long have 6 inch stroke and can be used in wells up to 75 feet deep. Cylinders 16 inches long have 10 inch stroke and can be used in wells up to 200 feet deep. Cylinders 2 inches inches in diameter are fitted for 1 inch pipe. Cylinders 3½ inches in diameter are fitted for 1½ inch pipe. Cylinders 4 inches in diameter are fitted for 2 inch pipe. All others fitted for 1¼ inch pipe.

	Diameter.	10 in. long.	12 in. long.	16 in. long.
No. 1926	2 inch	$0 75	$1 10	$1 22
No. 1927	2¼ inch	80	1 15	1 28
No. 1928	2½ inch	87	1 20	1 38
No. 1929	2¾ inch	94	1 30	1 48
No. 1930	3 inch	1 00	1 40	1 58
No. 1931	3¼ inch	1 06	1 50	1 70
No. 1932	3½ inch	1 12	1 60	1 80
No. 1933	4 inch	1 29	1 85	2 10

Brass Body Cylinders are practically as good as the solid brass, and much cheaper. The barrel is made of a seamless brass tube and wookmanship, stroke, and capacity are all same as iron cylinders.

	Diameter.	10 in. long.	12 in. long.	16 in. long.
No. 1936	2 in.	$1 88	$2 00	$2 27
No. 1937	2¼ in.	1 94	2 06	2 42
No. 1938	2½ in.	2 05	2 12	2 55
No. 1939	2¾ in.	2 13	2 25	2 69
No. 1940	3 in.	2 26	2 37	2 81
No. 1941	3¼ in.	2 43	2 56	3 00
No. 1942	3½ in.	2 62	2 82	3 70
No. 1943	4 in.	3 50	3 75	4 38

Digitized by Google

Foot Valves.

We recommend that Foot Valve and Strainer should be placed on lower end of pipe in wells more than 15 or 18 ft. deep. It makes pump work much easier and the strainer prevents anything from entering the pipe which might clog the valves in cylinder. Made in two sizes.

No. 1946 For 1¼ inch pipe, price each..... $0 40
No. 1947 For 1½ inch pipe, price each..... 50

Drive Well Points.

No. **1950 Drive Well Points** are made of wrought iron pipe, galvanized inside and out after the holes are punched. It is covered with a brass gauze and gauze is covered and protected by a perforated brass jacket. No. 60 guaze is most commonly used. No. 100 gauze is for quick sand.

Diameter,	Length.	No. 60 gauze. Each.	No. 100 gauze. Each.
1¼ in.	24 in.	$0.65	$1.42
1¼ in,	30 in.	1.00	2.13
1¼ in.	36 in.	1.17	2.50
1¼ in.	42 in.	1.34	2.84
1½ in.	30 in.	1.06	2.10
1½ in.	36 in.	1.49	2.94
2 in.	36 in.	1.86	3.37
2 in.	48 in.	2.42	4.43

Standard Wrought Iron Pipe. Black and Galvanized.

For Steam, Gas and Water. When pipe is ordered in full lengths one coupling is furnished free with each Piece. Full lengths are from 16 to 20 feet long. **When pipe is cut to exact lengths we charge for threads on both ends as per list below.** No coupling with pipe cut to exact length.

Prices of pipe subject to fluctuations of the market. Orders will always be filled at the lowest possible prices.

No. 1955 Black Iron Pipe.
No. 1956 Galvanized Iron Pipe.

Inside Diameter.	Black Per foot.	Galvanized Per foot.	Extra threads Per cut.	Pounds Per foot.
⅛ in.	$0.02½	.....	$0.03	¼
¼ in.	.02½	.03½	.03	⅜
⅜ in.	.02½	.03½	.03	½
½ in.	.03	.04	.03	4-5
¾ in.	.03¼	.04¾	.03	1 1-10
1 in.	.04½	.06¼	.04	1⅜
1¼ in.	.05½	.08½	.04	2⅜
1½ in	.07½	.11½	.05	3⅛
2 in.	.10	.15½	.06	3⅝
2½ in.	.14	.22	.08	5¾
3 in.	.18	.29	.10	7½
3½ in.	.22½	.35	.15	9
4 in.	.26	.42	.20	10⅝
4½ in.	.32	.55	30	12½
5 in.	.38	.62	.35	14½
6 in.	.49	.78	.40	18¾

BE SURE TO ALLOW FOR COST OF CUTTING THREADS WHEN PIPE IS ORDERED CUT TO EXACT LENGTHS.

Iron Pipe Fittings.

We illustrate the fittings that are commonly used, but can furnish any fitting that is made. If you want any fitting not quoted here, you can safely order it from us, allowing sufficient money to pay for it and we will fill your order promptly; or. if you prefer, write us and we will promptly and cheerfully quote price.

ABOUT SIZES.

Remember that the size of iron pipe is inside measure and that fittings are for pipe of corresponding size. We show below the comparative sizes of iron pipe.

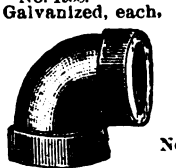
Pipe Size	⅛ in.	¼ in.	⅜ in.	½ in.	¾ in.
Outside Measure	$\frac{40}{100}$ in.	$\frac{54}{100}$ in.	$\frac{67}{100}$ in.	$\frac{84}{100}$ in.	$1\frac{5}{100}$ in.

P'pe Size..	1 in,	1¼ in.	1½ in.	2 in.
Outside Measure...	$1\frac{31}{100}$ in.	$1\frac{66}{100}$ in.	$1\frac{9}{10}$ in.	$2\frac{37}{100}$ in.

Wrought Iron Couplings.

No. 1957.

Por Pipe, inch,	¼	⅜	½	¾	1	1¼	1½	2
Black, each,	$0.03	.03	.03	.04	.05	.06	.08	.10
No. 1958.								
Galvanized, each,	$0.04	.04	.04	.06	.08	.09	.10	.12



Malleable Elbows.

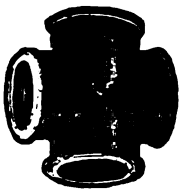
No. 1961.

Por pipe. inch,	¼	⅜	½	¾	1	1¼	1½	2
Black, each,	$0.02	.03	.04	.05	.07	.08	.12	.15
No. 1962.								
Galvanized, each,	$0.03	.04	.05	.06	.08	.10	.16	.22

Malleable Tees.

No. 1963.

For pipe, inch,	¼	⅜	½	¾	1	1¼	1½	2
Black, each,	$0.03	.04	.05	.06	.08	.09	.12	.16
No. 1964.								
Galvanized, each,	$0.04	.05	.06	.07	.09	.12	.18	.25



Malleable Crosses.

No. 1965.

For pipe, inch,	¼	⅜	½	¾	1	1¼	1½	2
Black, each,	$0.04	.04	.05	.06	.08	.12	.18	.28
No. 1966.								
Galvanized, each,	$0.05	.05	.06	.08	.12	.18	.25	.40

Malleable Unions.

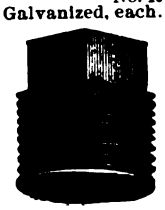
No. 1967.

For Pipe in.,	¼	⅜	½	¾	1	1¼	1½	2
Black, each,	$0.07	.08	.08	.10	.12	.16	.20	.25
No. 1968.								
Galvonized, each....	0.09	.10	.12	.14	.18	.25	.32	.40

Malleable Reducers.

No. 1971—
To reduce one size—size given is big end.

For pipe, in.	¼	⅜	½	¾	1	1¼	1½	2
Black. each.	$0.02	.03	.03	.04	.07	.08	.10	.14
No. 1972—								
Galvanized, each....	$0.03	.03	.04	.05	.10	.12	.15	.22



Cast Iron Plugs.

No. 1975.

For pipe, in..	¼	⅜	½	¾
Black, each,	$0.02	.02	.02	.03
For pipe, in..	1	1¼	1½	2
Black. each,	.03	.04	.05	.06

No. 1976. Galvanized, each—

¼	⅜	½	¾	1	1¼	1½	2
$0.03	.03	.03	.04	.04	.05	.06	.08

Bushing.

Reducing one size, outside size is given.

No. 1979.

For pipe, in.,	⅜	½	¾	1
Black, each,	$0.03	.04	.04	.04
For pipe, in.,	1¼	1½	2	
Black, each,	.05	.06	.06	

No. 1980. Galvanized, each—

$0.04	.05	.05	05	.06	.08	.10

Lock Nuts.

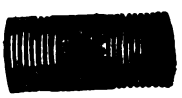
No. 1981.

For pipe, in.	¼	⅜	½	¾	1	1¼	1½	2
Each,	$0.02	.02	.02	.03	.03	.03	.04	.05

Pipe Caps.

No. 1983.

For pipe in,	¼	⅜	½	¾	1	1¼	1½	2
Black, each,	$0.02	.03	.03	.04	.04	.05	.06	.08
No. 1984.								
Galv'd each,	$0.03	.04	.04	.05	.05	.06	.07	.09



Nipples.

State length wanted.

No. 1987. Size, in.,	¼	⅜	½	¾	1	1¼	1½	2
Black, short. price ea.,	$0.02	.02	.03	.04	.04	.05	.06	.07
No. 1988.								
Galv'd short, price ea.,	.03	.03	.04	.05	.05	.06	.07	.10
No. 1989.								
Black. long, price ea.,	.03	.03	.04	.05	.05	.06	.08	.09
No. 1990.								
Galv'd long. price ea.,	.04	.04	.05	.06	.06	.08	.10	.12

Malleable Return Bends, Open Pattern

No. 1991.

For Pipe, in.,	¾	1	1¼	1½	2
Black each,	$0.09	.12	.15	.23	.38

Brass Globe Valves.

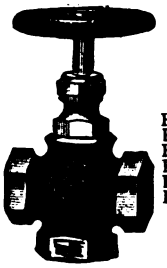
No. 1993.

For pipe, in.,	¼	⅜	½	¾
Price, each,	$0.20	.25	.30	.35
For pipe, in.,	1	1¼		
Price, each.	.50	.70		
For pipe. in.,	1½	2	2½	3
Price, each,	.95	1.40	2,85	3.90

Brass Angle Valves.

No. 1994.

For pipe. in.,	¼	⅜	½	
Price, each,	$0.20	.26	.33	
For pipe, in.,	¾	1	1¼	
Price, each,	.36	.55	.72	
For pipe, in.,	1½	2	2½	3
Price, each.	.98	1.45	2.90	3.95



Brass Cross Valves.

No. 1995.

For pipe, in..	¼	⅜	½	¾
Price, each,	$0.34	.35	.40	.55
For pipe, in.,	1	1¼	1½	
Price, each,	.68	1.00	1.30	
For pipe, in.,	2	2½	3	
Price, each,	2.15	4.25	6.50	

Horizontal Check Valves.

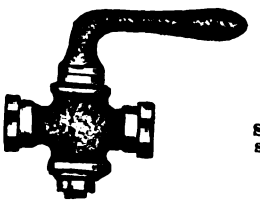
No. 1996.

For pipe, in.,	¼	⅜	½	¾	1	1¼
Price, each,	$0.20	.22	.25	.32	.45	.60
For pipe, in.,	1½	2	2½	3		
Price, each,	.85	1.10	2.40	3.50		

Brass Three-Way Cocks.

No. 1997—

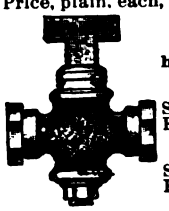
For pipe, in.....	½	¾	1	1¼
Price, each....	$0.68	.80	$1.00	$1.55
For pipe, in...	1½	2	2½	3
Price, each....	$1.95	$2.95	$5.00	$6.50



Water Pipe Stops.

No. 1998. **Brass Rough Stop,** lever handle, screwed for iron pipe.

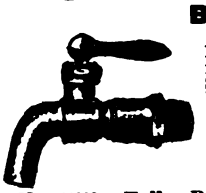
Size, inches,	½	¾	1	1¼	1½	2
Price, plain. each,	$0.32	.52	.75	1.20	1.65	2.75



No. 1999. **Rough Brass Stop T handle, screwed for iron pipe.**

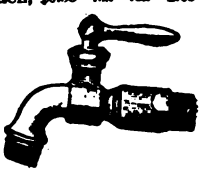
Size.	½	¾	1
Each,	$0.30	.50	.70
Size.	1¼	1½	2
Each,	$1.15	1.60	2.60

Bibbs.



No. 11001. **Fuller Pattern. Plain Bibb** for iron pipe, finished brass.

Size, in.,	½	⅝	¾	1
Price, each,	$0.55	.62	.82	1.05



No. 11003. **Fuller Pattern. Hose Bibb** for iron pipe, finished brass.

Size, in.,	½	⅝	¾	1
Price, each	$0.62	.70	.85	1.20

No. 11004. **Hose Bibbs.** For iron pipe. Lever handle finished.

Size, inches,	½	⅝	¾	1
Price, each,	$0.48	.62	.80	1.20

No. 11006. **Compression Hose Bibbs.** Screwed for iron pipe with shoulder, finished.

Size, inches,	⅜	½	⅝	¾	1
Price, each,	$0.42	.45	.50	.75	1.20

WONDERFUL VALUES IN WINDMILLS. SEE INDEX.....

DON'T ORDER ONE OF THE SMALL ITEMS ON THIS PAGE SENT ALONE BY MAIL OR EXPRESS, UNLESS YOU CANNOT GET IT AT HOME. WHEN YOU ARE IN NEED OF SMALL ITEMS, MAKE UP A FREIGHT ORDER OF GROCERIES AND SHIP ALL TOGETHER.

No. 11007. **Compression Plain Bibbs.** Screwed for iron pipe, with shoulder, finished.

Size, inches,	⅜	½	⅝	¾	1
Price, each,	$0.37	.40	.45	.62	1.15

Brass Air Cocks.

No. 11009.

Pipe size, in.,	⅛	¼	⅜	½
Price, ea.,	$0.12	.13	.15	.18

Brass Oil Cups.

No. 11010. **All brass with screw tops,**

Pipe, size of shank, in.,	⅛	¼	¼	⅜	⅜
Diameter of body, in..	¾	1	1¼	1½	2
Price, each,	$0.10	.12	.18	.25	.50

PIPE FITTERS' TOOLS.

Open Hinge Malleable Iron Pipe Vise

No. 11011. **Has interchangeable Cut Steel Jaws,** and is constructed to do the heaviest work. Great care has been taken in manufacturing the various parts, putting the strength where most desired. Jaws are warranted.

	No. 1	No. 2
Holds pipe from	¼ to 2 in.	¼ to 3 in.
Weight, pounds	20	26
Price, each	$2.30	$3.30
No. 11012. Extra Jaws	1.25	1.88

One-Wheel Pipe Cutter.

No. 11013. **Made of Malleable Iron** with steel rod and tool steel cutter; lighter and stronger than any other one-wheel cutter made.

	No. 1	No. 2	No. 3
Cuts pipe from	⅛ to 1 in.	1 to 2 in.	2 to 3 in.
Price, each,	$0.80	$1.65	$3.30
Extra wheels,	0.12	0.18	0.25

Three-Wheel Pipe Cutter.

No. 11015. **Made of malleable and wrought iron,** with steel pins and wheels of Jessop's best tool steel. Simple and strong in construction and cuts rapidly and easily.

	No. 1	No. 2	No. 3
Cuts from	⅛ to 1	1 to 5	2 to 3
Price, each,	$1.35	1.80	3.20
Extra wheels, each,	.12	.18	25

Stanwood Pipe Cutters, Case Hardened.

Order No. 11016. Weight, 3¾ lbs., 8½ lbs., 24 lbs.

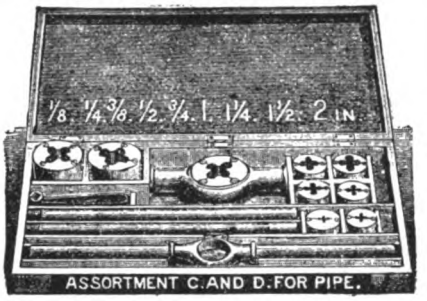
	No. 1	No. 2	No. 3
Cuts pipe from	⅛ to ¾	1 to 2	2 to 3
Price, each,	$1.20	$1.55	$4.67
No. 11017. Cutter wheels. Price, each,	$0.10	.15	20
No. 11018. Cutter Bl'ks and wheels. Price	.35	.45	.90

Saunder's Pipe Cutter.

No. 11019. **Saunder's Pipe Cutters.** By referring to cut it will be seen that the front that rubs on pipe is provided with rollers which reduce the friction, making it a very easy cutting tool; weight, 3¾ to 6¾ pounds.

	No. 1	No. 2	No. 3
Cuts pipe,	⅛ to 1	1 to 2	2 to 3
Complete,	$1.65	$2.50	$7.87
Wheels,	.24	.32	.50

Lightning Screw Plate.



No. 11021. **The Lighting Screw Plate** for pipe; cuts 9 sizes (from ⅛ to 2 inches); weight, 62 pounds. Price, complete in wood case..... **$21.60**

Pipe Stock Dies.

No. 11023. **Malleable Iron Pipe Stock,** with solid steel die. No taps. See No. 11025 for taps. Weights range from 15 to 35 pounds.

	No. 0	No. 1	No. 1½
Pipe size of dies,	⅛,¼,⅜,½	¼,⅜,½,¾,1	¾,1,1¼
Dimension of dies,	2x½	2½x¾	3x¾
Complete with dies,	$2.85	3.60	3.25
Extra dies,	.52	.75	.90
Extra guides,	.12	.15	.22
	No. 1¾	No. 2	No. 3
Pipe size of dies,	1, 1¼, 1½	1¼,1½, 2	2½, 3
Dimension of dies,	3x¾	4x⅞	5x1¼
Complete with dies,	$3.25	4.75	10.00
Extra dies,	.95	1.40	3 35
Extra guides,	.50	.30	.45

Pipe Taps.

No. 11025 **Pipe Taps.**

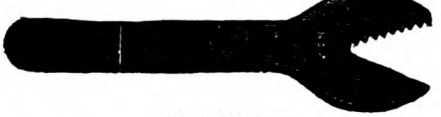
Size, in.,	⅛	¼	⅜	½	¾	
Each.	$0.25	$0.28	$0.33	$0.42	$0.55	
Size, in.,	1	1¼	1½	2	2½	3
Each.	$0.70	$0.74	$0.92	$1.25	$2.10	$3.00

Brown's Adjustable Pipe Tongs.

Order No. 11027.

	No. 1	No. 1½	No. 2	No. 3	No. 4
Takes pipe from	⅛ to ¾	⅜ to 1	½ to 1¼	1 to 2	1¼ to 3
Price. each,	$0.44	.50	.65	.95	2.10

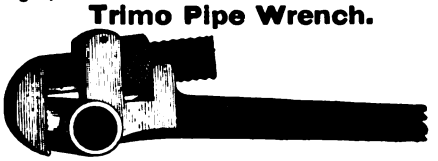
Alligator Pipe Wrench.



Order No. 11028.

Length, inches,	5¾	9	16	22	27
Takes pipe,	⅛ to ⅜	⅜ to ¾	½ to 1¼	1¼ to 2	2 to 3
Price, each,	$0.15	.40	.75	1.15	1.80
Weight, lbs..	¼	¾	2¾	6¼	13

Trimo Pipe Wrench.



No. 11029 **This wrench is drop forged from bar steel, is interchangeable in all its parts, does not lock upon the pipe, but releases its hold readily; grips the pipe firmly without lost motion; does not crush the pipe or slip. The movable jaw and the nut are made with a round top and bottom thread, guaranteed not to strip or burr. An inserted jaw is placed in the handle, which can be renewed for little expense when dull or worn.**

Length, open, inches	10	14	18	24
Takes pipe from.....	⅛ to ½	¼ to ½	¼ to 2	¼ to 2½
Price, each.....	$1.00	$1.50	$1.75	$2.60

SPECIAL TERMS ON CLUB ORDERS.

SEE PAGE 4.

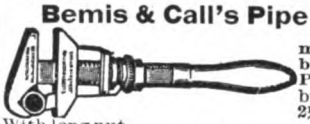
The Wright '96 Wrench.

Some points of improvement over other leading pipe wrenches.

Will not crush the pipe; is narrower back of the jaw—can get into closer quarters; can be easier operated with one hand; it will always release its grip when its work is done; more surface of thread on screw and nut, which makes it more durable; its checked handle; it being made of iron, will not split or break; it is better balanced, which makes it easier for the operator; in putting on pipe for extention, the handle does not become marred as the wood handle; it has less parts, which makes it less trouble to keep in repair; the jaws can replaced for less money; the spring is so covered there is no danger of its breaking.

No. 11031.	6 inch, opens 1⅛ inch, price each.....	$0.95
No. 11032.	8 inch, opens 1½ inch, price each.....	1.00
No. 11033.	10 inch, opens 1¾ inch, price each.....	1.25
No. 11034.	14 inch, opens 2½ inch. price each.....	1.50
No. 11034.	18 inch, opens 3½ inch, price each... .	2.00

Bemis & Call's Pipe Wrench.



No. 11037 **Bemis & Call's Combination Nut and Pipe Wrench,** bright finish, weight 2¼ to 3¼ pounds.

With long nut.

10 inch takes pipe ½ to 1 inch. Each.....	**$1.42**
12 inch takes pipe ½ to 1¾ inch. Each.....	**1.60**
15 inch takes pipe ½ to 2 inch.....	**2.25**

The Whitney Automatic Pipe Wrench.

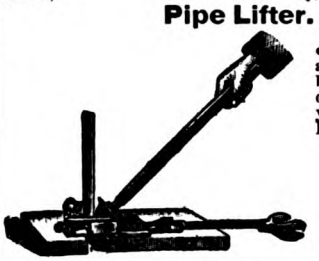
No. 11038. **The Whitney Automatic Pipe Wrench,** as illustrated above, shows the jaw open and closed. This is the strongest, lightest, simplest, and most perfect working Pipe Wrench we have ever seen. Carefully made from **selected tool steel** of superior quality. Material and workmanship is fully guaranteed. The harder you pull on this wrench the tighter the grip. **But the grip relaxes instantly when pressure is removed.** The grip being distributed over a larger surface, it is **not so liable to crush** the pipe by a severe strain.

Length, inches.	8	14	18
Takes pipe,	⅛ to 1	⅛ to 1½	¼ to 2½
Price, each.	$0.90	$1.35	$1.80

Gas Pliers.

Length in.	No. 11040.	6	8	10
Each,		$0.25	.35	.40

Pipe Lifter.



No. 11044 **Babcock Pipe Lifter and Holder combined.** For well drillers; a simple yet complete tool. Price, each, **$4.95**

No. 10045 **Pipe Lifting Clevis.** A handy device to prevent pipe from slipping when being taken from well.
Price, each.....**$0.95**

Sinks.

Wrought Steel Kitchen Sinks. These sinks are made from one plate of steel and are superior to cast iron sinks in every particular, being lighter, stronger and more durable, are fitted for 1¼ inch lead or 1½ inch iron pipe, and come painted or galvanized in the following sizes:

Order No. 11047. **Painted.**

Size.	Weight, lbs.	Each.	Size.	Weight, lbs.	Each.
16x24x6	13	$1.35	20x30x6	21¾	$2.30
18x30x6	15½	1.87	20x36x6	23	2.77
18x36x6	18½	2.25	20x40x6	25½	3.00

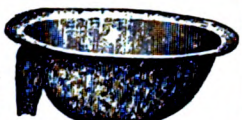
Order No. 11048. **Galvanized.**

Size.	Weight, lbs.	Each.	Size.	Weight, lbs.	Each.
16x24x6	13	$2.00	20x36x6	21¾	$3.12
18x30x6	15½	2.55	20x36x6	23	3.75
18x36x6	18½	3.25	20x40x6	25½	4.25

YOU MAY BE SURE OF NOT GETTING AN ANSWER TO YOUR LETTER, IF YOU FAIL TO SIGN YOUR NAME OR GIVE YOUR POST OFFICE ADDRESS. SOME PEOPLE TAKE PAINS TO OMIT THESE IMPORTANT MATTERS.

Digitized by Google

Wash Basins.



No. 11050 **Iron Wash Basins**, enameled; common overflow; diameter, 14 in. complete with stopper, fitted for either lead or iron pipe.
Price, each.....$2.50

No. 11051 **Iron Wash Basins** enameled; patent overflow; diameter, 14 in., complete with stopper, fitted for either iron or lead pipe.
Price each.....$2.80

Urinals.

No. 11051½ **Iron Corner Urinal.** enameled; size, 9 in., fitted for lead pipe.
Price, each.....$1.70

No. 11053 **Iron Half Circle Urinal**, enameled; size, 12 in., fitted for lead pipe. Price, each.....$1.90

Lead Pipe.

No. 11055

Lead Pipe, 1 in. in diam..	2½	lbs.	to	ft.	Per foot 16c
Lead Pipe, 1¼ " "	3	lbs.	"	"	" 19c
Lead Pipe, 1½ " "	4	lbs.	"	"	" 25c

Sheet Lead.

No. 11057 **Sheet Lead.** In ordering give thickness wanted. Price per lb.....$0.07

BELTING.

Leather Belting.

We sell only the best grades in medium and full weight stock, made from carefully selected hides of oak tannage, and designate the same as Standard A and Standard B grades, **We do not sell the cheap grade of leather belt, as it will not give satisfaction.** If a cheaper belt is wanted we advise the use of a rubber belt.

No. 11068 **Standard A,** white oak tanned.
No. 11069 **Standard B,** white oak tanned.

Width.	Price per foot. Standard A.	Price per foot. Standard B.	Width.	Price per foot. Standard A.	Price per foot. Standard B.
1	6	4¾	4	30	24
1¼	8	6½	4½	34	27
1½	10	8	5	38	30½
1¾	12	9½	5½	42	33½
2	14	11	6	46	37
2¼	16	13	7	54	43
2½	18	14½	8	62	49½
2¾	20	16	9	70	56
3	22	17½	10	78	62½
3¼	24	19	11	86	69
3½	26	21	12	94	75
3¾	28	22½			

Double Belts twice the price of single.
Extra heavy belts extra prices.
☞ **In ordering state where belts are to run.** We do not guarantee belts run on the quarter turn, unless they are especially made for that purpose.
Endless belts made to order at short notice. The cost of making endless equals the price of 3 feet of belt.

Rubber Belting.

Our Rubber Belting is composed of the best quality of Cotton Duck and India Rubber, made in the best manner possible. These belts will stretch less than any other belts made. On this account the friction always remains firm. Not only is stretch an exceedingly troublesome defect, but it also loosens the friction, and destroys the strength of the belt. **These belts are especially adapted to moist places and agricultural purposes. They are not suitable for thresher or saw-mill belts.** We have this belt in two grades, which we designate as Standard and Extra. We do not guarantee the Standard belt, but it is **all right** for nearly any place where a light, narrow belt is used. For large widths, quick running machinery or extra heavy work, our Extra belt should be used. **We make endless belts only in Extra quality.** For making endless, we charge as much as three feet of belt would cost. **Be careful in making orders for belt, for it is sent as ordered, it will not be taken back or exchanged.**

2-Ply Rubber Belting.

No. 11072 **Standard Quality, not Guaranteed. Extra Quality, Guaranteed.**

Size.	Standard. per ft.	Extra. per ft.	Size.	Standard. per ft.	Extra. per ft.
1 in.	$0 02	$0 03	2½ in.	$0 05½	$0 07½
1¼ in.	02¾	03¼	3 in.	06½	09
1½ in.	03¾	04½	3½ in.	07½	10½
2 in.	04½	06	4 in.	09	12

3-Ply Rubber Belting.

No. 11073 **Standard Quality, not guaranteed. Extra quality, guaranteed.**

Size.	Standard, per ft.	Extra, per ft.	Size.	Standard, per ft.	Extra, per ft.
2 in.	$0.05	$0.07	8 in.	$0.21½	$0.28
2½ in.	.06½	.10	9 in.	.23½	.32
3 in.	.07½	.10½	10 in.	.26½	.36
3½ in.	.09	.12	11 in.	.29	.40
4 in.	.10	.13½	12 in.	.31	.43
5 in.	.12½	.17	13 in.	.35	.47
6 in.	.15	.21	14 in.	.38	.51
7 in.	.18	.24			

4-Ply Rubber Belting.

No. 11074. **Standard quality, not guaranteed. Extra quality, guaranteed.**

Size.	Standard, per ft.	Extra, per ft.	Size.	Standard, per ft.	Extra, per ft.
3 in.	$0.09	$0.12½	10 in.	$0.34	$0.43
3½ in.	.11	.15	11 in.	.38	.47
4 in.	.12	.17	12 in.	.42	.52
4½ in.	.14	.19	13 in.	.44	.57
5 in.	.15	.21	14 in.	.49	.62
6 in.	.18	.25	15 in.	.53	.66½
7 in.	.20	.29	16 in.	.57	.71
8 in.	.23	.34	18 in.	.64	.81
9 in.	.26	.38			

Stitched Cotton Belt.

We have the strongest Stitched Cotton Belting that is manufactured. The rows of stitches are sewed so close together that the plies **cannot separate. It is Painted with a Composition of a Red Color which Gives it a Good Friction, and Makes it Thoroughly Waterproof.** Oil (no matter in what quantity,) will not injure the belting in the least. We feel confident that the belt will **Give Satisfaction on Any and All Kinds of Works,** as it is thoroughly waterproof, not affected by heat or cold, steam or dampness, or any of the injurious gasses, and will always be found soft and pliable. **Stitched Cotton Belting is Cheaper, More Durable and Much Stronger than Leather Belting,** as has been shown by various tests. This belting is folded in such a manner that it is **Impossible for the Edges to Fray out.** All belting is thoroughly stretched before leaving the factory.

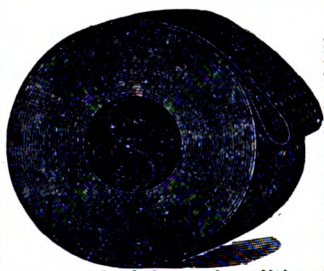
No. 11078 **Four ply Stitched Cotton Belt.**

Width, in.,	1½	2	2½	3	3½	4	4½	5	6	7	8	9	10	12
Price, per ft.,	$0.07	.09	11	.13	.16	.18	.20	.22	.27	.31	.36	.40	.45	.54

No. 11079 **Six ply Stitched Cotton Belt.**

Width, in.,	5	6	7	8	9	10	12
Price per ft.,	$0.30	.36	.42	.48	.54	.60	.72

Thresher Belt.



No. 11086 **Strongest and most durable Rubber Thresher Belt manufactured.** It is a well established fact that **cotton belting is far superior to rubber belting** in a great many respects, but rubber belting excels because it does not stretch. In this belt we have combined the good qualities of the cotton belting with the superior qualities of the rubber, and produced the **only belt that will meet all the requirements of a good thresher belt.** This belt is adhered together with rubber friction, and is also sewed closely by the celebrated **"Cross-Stitch,"** which, of itself, is a guarantee of the superiority of this belt.

This is the only rubber belt that we will guarantee for thresher purposes, and in fact is the only rubber belt yet made that will stand the abuse that thresher belts get.

We carry in stock and can ship promptly the following lengths of this endless Thresher belt, all 4-ply. **Actual length is three feet less than stated.**

Length, ft.	6 in. 4-ply.	7 in. 4-ply.	8 in. 4-ply.
120	$33 60	$39 60	$43 20
130	36 40	42 90	46 80
140	39 20	46 20	50 40
150	42 00	49 50	54 00
160	44 80	52 80	57 60

No. 11088. **Grain King Endless Stitched Canvas Thresher Belt** is far superior to all other canvas thresher belting on account of the process of its manufacture. The splice is made in such a manner that the belt is no thicker at this point, and is **just as strong and flexible as any other part of the belt.** The **"Grain King"** is painted with a composition of a reddish color and is thoroughly waterproof, and is not affected by any change of temperature, neither by oil. **It is a cheap, strong belting.** It is sewed with rows of stitches throughout its entire length, which makes it practically **impossible for the plies to separate.** We carry the following length of this 4-ply belt in stock and can ship promptly. The actual length of these Belts is three feet less than stated.

Length.	6 in. 4 ply.	7 in. 4 ply.	8 in. 4 ply.
120	$25.60	$30.40	$35.20
130	27.74	32.94	38.14
140	29.88	35.48	41.08
150	32.02	37.02	44.02
160	34.16	39.56	46.96

Rawhide Lace Leather.

No. 11090. **We sell the best grade of Rawhide Lace Leather** in sides of from 5 to 15 square feet (we do not cut) for **20c** per square foot.

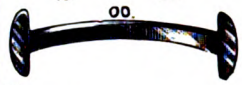
No. 11092. **Lace Leather Cutters,** adjustable to cut various widths. Price, each.....$0.40

Cut Rawhide Lace.

No. 11094. **Cut Lacing comes in bunches of 100 feet.** Will sell a half bunch at one-half the price of full bunch.

Width.	Price per bunch of 100 feet.	Width.	Price per bunch of 100 feet.
¼	$0.50	½	$1.00
5-16	.60	⅝	1.35
⅜	.70	¾	1.60

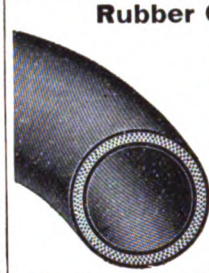
Belt Studs.



No. 11096. **Blake's Belt Studs.** Recognized as the best belt fastener made.

No.	00	0	1	2	3	4	5
Length between shoulders,	15-16	11-16	¾	9-16	½	7-16	⅜
Per 100,	$0.90	.71	.60	.45	.30	.30	.23
Per dozen,	.12	.10	.08	.06	.04	.04	.03

Rubber Garden Hose.



Our Hose is made entirely by machinery from start to finish, so there is no possibility of poor goods caused by careless operatives. All our hose is made with **seamless tube.** When not in use hose should be kept in a cool place. **We sell Garden Hose in lengths of 25 and 50 feet only. Couplings are not furnished.** If you want couplings, order them separately, giving catalogue number and price, and we will put them on for you.

No. 11098. **OUR LEADER HOSE** is good enough for ordinary use. In fact, there are very few places where this would not give as good satisfaction as higher priced hose. Without couplings.

	3-ply.		4-ply.	
Diameter, inches,	¾	1	¾	1
Per foot,	$0.07	.11	.10	.14

No. 11100. **Our Best Grade Hose** is constructed of best possible material. Will stand more pressure and wear longer than the Leader grade. **You can't buy better hose than this, no matter what you pay.**

	3-ply.		4-ply.	
Diameter, inches	¾	1	¾	1
Per foot,	$0.08½	.12	.11	15

No. 11102. **Competition Hose** is what is commonly sold. It is not guaranteed and we do not recommend it. We have this season secured the best hose of this grade that we have ever seen. We sell it in 50 ft. lengths only, without couplings, ¾ inch, 3-ply. Price per length of 50 ft.....$2.35

Hose Couplings.

No. 11102 **Brass Hose Couplings.** Will fit any kind of hose of inside measure as given.

Inch, ¾	Per pair, $0 06	Inch, 1¼	Per pair, $0 40
1	20	1½	55

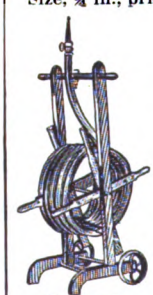
Hose Splicer.

No. 11104 **Hose Splicer for mending Hose,** or joining short pieces together.
Size, ¾ inch, price, **5c** each; size, 1 inch, price, **5c** each.

Hose Clamps.

No. 11105 **Hose Clamps,** made of brass, for fastening hose to couplings or splicer. Cheap as a wire band and very much better, as no tools are required except a small screw driver to put it on or remove it.
Size, ¾ in., price each, **4c**; size, 1 in., price each, **8c.**

Hose Reels.



No. 11107.

No. 11107 **Hose Reel,** strong and well made of hardwood, iron wheels. No hose included.
Price each.....$0.65

Hose Nozzles.

No. 11108 **This Nozzle can be regulated to throw either a solid stream or a spray by simply turning the cock.**

	¾ in.	1 in.
Price, each...	$0.45	$0.58

No. 11108

Rubber Tubing.

No. 11109 **Pure Rubber Tubing,** is used for siphoning liquors out of vats or barrels; for nursery bottles, syringes, and numerous other purposes. It will not stand much pressure. Made in two grades. Thin wall is 1-16 inch thick. Thcik wall is 3-32 inch thick.

Diameter, inch.	Thin wall, per foot.	Thick wall, per foot.
⅛	$0.03½	$0.04
3-16	.04½	.05
¼	.07	.07½
5-16	.08	.09
⅜	.09	.10
½	.10	.11
⅝	.11	.12
¾	.14	.15

Revolving Lawn Sprinklers to Stick in the Ground.

No. 11111. **The Crown Sprinkler** will spray the water perfectly for 10 to 20 feet each way. Made of brass, nickel plated, fits ¾ inch hose only. Price, Each.....25c

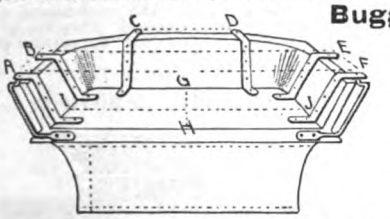
No. 11112 **The Little Wonder Lawn Sprinkler** is one of the best sellers we have. It is strong, durable, and does the work. Price, each.....18c

Digitized by Google

CARRIAGE HARDWARE AND SUPPLIES,

In calling your attention to this complete department, we are confident that we can supply the great need of thousands of our customers who find it constantly necessary to replace various parts of their vehicles, but who have been paying exorbitant retail prices. **We offer a line** that has no equal in general excellence of material and finish. At the same time our contracts with manufacturers are so advantageous that we are in a position to make unusually low prices.

Buggy Tops.



In ordering buggy tops give measurements from center to center of holes in irons, as shown in above cut; width from A to F, from B to E, from A to B, from C to D. State whether you want 3 or 4 bows, and give choice of color of lining.

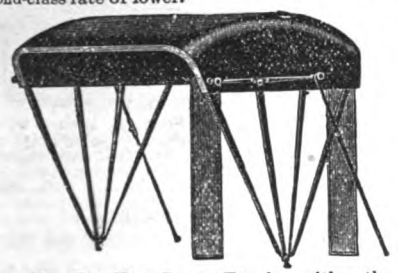
In ordering cushions give measurements from I to J on bottom of seat, from G to H width of seat at bottom, and state if square or round corners are wanted.

In ordering cushions with fall give measurements of cushion as above, and also width of fall at the bottom and distance from bottom of seat to floor of buggy. Our buggy tops are shipped in light but strong crates, and are not liable to injury in transportation.

Our Terms of Shipment Are Liberal.

Any of these goods will be sent by freight C. O. D., subject to examination on receipt of $5, balance and freight charges to be paid after goods are received. **A Discount of 3 per cent.** allowed if cash in full accompanies your order.

You will save money by buying your own needed repairs direct from us at manufacturers' lowest prices. **Freight** amounts to nothing compared with what you save in price. Nearly all these goods are taken at second-class rate or lower.



No. 11200. Our No. 1 Buggy Top has either three or four bows as desired. This is a full rubber top with steel bow sockets, second growth top bows, wrought iron joints, japanned nuts, iron rivets, Thomas top props, concealed joints between two back bows. Top lined with wool cloth, back stays lined, back curtain lined, rubber side curtains, Indigo dyed back, glass in back curtains. Our special price for No. 1 top, as above described.....**$8.35**

No. 11201. Our No. 2 Buggy Top is in appearance just like No. 1 shown above. However, our No. 2 has leather quarters and stay top, steel bow sockets, second growth top bows, wrought iron joints, japanned nuts, iron rivets, Thomas top props, top lined with all-wool cloth, back stays lined, back curtains lined, rubber side curtains, front valance sewed on, Indigo dyed No. 12 back, glass in back curtain. Three or four bows, as desired. Our special price, as described.....**$10.00**

No. 11202. Our No. 3 Buggy Top is full leather, guaranteed to be genuine leather. This top is lined with all-wool cloth, back stays lined, rubber side curtains, Indigo dyed No. 12 back, glass in back curtain. Three or four bows as desired. Steel bow sockets, second growth top bows, wrought iron joints, japanned nuts, iron rivets, Thomas top props, concealed joints between two back bows. Our special price on our No. 3 full leather top.....**$13.65**

Extras.

No. 11205. For quarter rail attached to above top add.....**$1.35**

No. 11206. For our No. 2 rail welded to fit seat, with lazy back, wood and attached to above top, add..**$1.35**

No. 11207. Extra rubber side curtains. Per pair, **$2.00**

No. 11210. The accompanying illustration shows our No. 4 Buggy Top complete, with seat, full back and cushion with fall. This top is made of 22 ounce rubber, with seat, wrought rail and joints. Three or four steel socket bows. Top, back stays and back curtain lined with all wool fast color cloth, either blue or green, side curtains indigo dyed rubber, 12 ounce blue or green cloth on full back and cushion. These are either biscuit or diamond tufted, and filled with selected moss. Front and back valance nailed on. Black nuts and iron rivets. Our special price on No. 4 Top, complete, as described.....**$14.65**

No. 11211. Our No. 5 Buggy Top, complete, with full back and cushion, is made like shown in the picture of our No. 4, but has leather quarter and stay, and is complete with seat, wrought rail and joints, three or four steel bows, top, back stays and back curtain lined with all wool fast color cloth. Rubber side curtains, 14 ounce blue or green cloth in full back and cushions. Front valance sewed on. Black nuts and iron rivets. Our special price.....**$18.00**

No. 11212. Our No. 6 Top is the finest Buggy Top made. It has machine buffed leather top and is complete with seat, cushion and full back. Wrought rail and joints. Three or four steel bows as desired. Lined throughout, except side curtains, with 10 ounce all wool fast color cloth. Rubber side curtains, 14 ounce blue or green cloth on full back and cushion. The latter is tufted in biscuit and diamond style, and stuffed with moss. Black nuts and iron rivets. Valance sewed on. Style same as shown in picture of No. 4 Buggy Top. Our special price.....**$25.00**

Extras.

No. 11215. Extra rubber back curtains. Each..**$1.50**

No. 11216. Extra rubber back stays. Each.....**$1.50**

Extension Tops.

In measuring for Extension Tops, give length of seat from outside to outside in top of rim, in widest place, and state if wood or iron seat. Also give the distance from front of front seat to front of back seat on bottom of seats, and state if back seat is higher or lower than front seat.

No. 11219. Our No. 7 Extension Top is a 4-bow, 26 ounce rubber top, lined throughout with all wool cloth, except side curtains, which are indigo dyed rubber.

Wrought iron joints, japanned nuts and iron rivets. Front valance sewed on. No rail. Our special price.....**$12.65**

No. 11220. Our No. 8 Extension Top, just the same as our No. 7 above described, but has leather quarter and stay. Our special price.....**$16.65**

No. 11222. Our No. 9 is a full leather Extension Top, otherwise just the same as No. 7, described above. Our special price.....**$22.65**

All tops over 42 inches wide cost from **65c** to **$2.00** extra, in accordance with the extra width.

Canopy Tops.

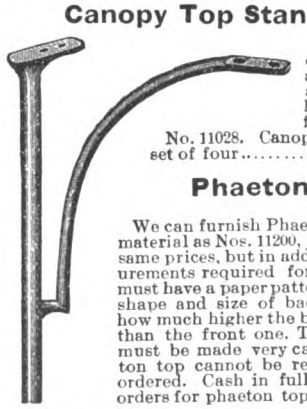
In measuring for Canopy Top give exact distance from back of back seat to front end of body. Give exact width of seats from outside to outside on top. These canopy tops are the best the market affords.

No. 11224. Our No. G 100 Canopy Top is covered with black drill, lined with all wool cloth, and ornamented with all wool fringe. Price, for 5 foot length or less, without standards or curtains.....**$7.30**

For larger sizes add extra for each additional foot.....**$1.35**

No. 11226. Complete set side and back curtains, indigo dyed rubber.....**$5.65**

Canopy Top Standards.



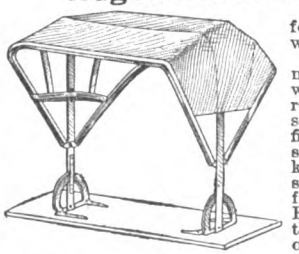
No. 11027. Canopy Top Standards, well finished, and made in halves, per set of four.....**$2.65**

No. 11028. Canopy Top Sockets per set of four.....**66c**

Phaeton Tops.

We can furnish Phaeton Tops of same material as Nos. 11200, 11201 and 11202 at same prices, but in addition to the measurements required for buggy tops we must have a paper pattern showing exact shape and size of back of seat. State how much higher the back gooseneck is than the front one. The measurements must be made very carefully and phaeton top cannot be returned if sent as ordered. Cash in full must accompany orders for phaeton tops.

Wagon Sunshade Top.



Especially adapted for express and farm wagons.

This top is furnished complete with irons and bolts, ready to attach to seat. The irons will fit any kind of a seat. The sizes we keep in stock are for seats measuring from 32 to 44 inches. For extra wide tops the additional cost of making will be added. When ordering give width of seat outside to outside on top of seat at back corner.

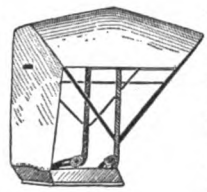
No. 11230. Covered with brown duck and fringed. Price.....**$3.75**

No. 11231. Covered with awning stripe and fringed. Price.....**$4.25**

No. 11232. Covered with enameled drill and fringed. Price.....**$3.85**

No. 11233. Covered with rubber and fringed. Price.....**$4.50**

Storm Wagon Top.

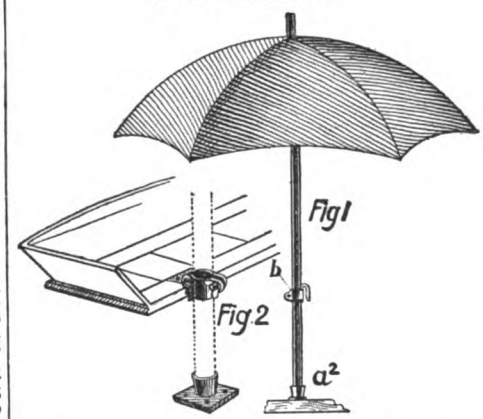


It is adapted for any style wagon. Not suitable for a buggy; seat not furnished.

This top, with all irons complete, ready to attach to a seat, is made with side and back curtains, side curtains can be detached; back curtains to roll up; made to fit seats from 32 to 44 inches across top of flare. Be sure to send measure of seat from out to out on top of seat, at back corner.

		Price.
No. 11236.	Covered with brown duck.....	**$6.12**
No. 11237.	Covered with awning stripe.....	**6.65**
No. 11238.	Covered with enameled drill.....	**6.30**
No. 11239.	Covered with rubber drill.....	**7.70**
No. 11240.	Covered with sail duck.....	**5.75**

$1.95 For the Best Wagon Umbrella Made.

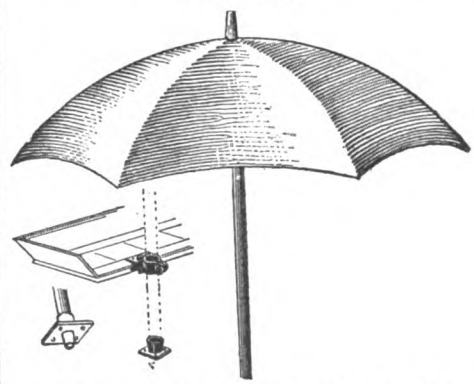


This is the most popular Umbrella on the market, **very latest and best.** This Umbrella has **heavy duck covering,** in blue, brown or white, or in following stripes: Tan and white, red and white, or blue and white. **Guaranteed the strongest** Umbrella made. Six steel ribs, 1½ inch white ash handle, 5 feet 8 inch spread, cover removable. Price includes all fixtures complete.

This is the Umbrella to buy, and **our** special price below all others is $1.95.

No. 11240½. Price.....**$1.95**

Wagon Umbrellas with Fixture Sockets.



No. 11241½. **Compare our prices on these** goods with those of other houses and see if we cannot save you 25 to 50 per cent. on price.

Our price.....**$1.50 to $2.20**

These Umbrellas come with best quality heavy steel ribs and fixtures. Handles, 1¼ inch seasoned white ash, oiled and varnished.

Colors blue, drab, buff or black. Heavy muslin.

☞ **Be sure to state color wanted.**

The most complete fixtures yet produced. Made of the best malleable iron, light and strong, quickly applied, and holds the Umbrella secure. We furnish all extras complete without extra charge.

36-inch, 8 ribs, with fixtures.....	each,	**$1.50**
36-inch, 10 ribs, with fixtures.....	"	**1.60**
38-inch, 8 ribs, with fixtures.....	"	**1.65**
38-inch, 10 ribs, with fixtures.....	"	**1.75**
40-inch, 10 ribs, with fixtures.....	"	**1.90**
40-inch, 10 ribs, double face duck, green inside, duck outside, with fixtures.....	each,	**2.20**

Digitized by Google

Buggy Cushions and Falls and Full Backs.

These goods are first-class in every respect. We make strictly inside prices on these goods and can save you a large percentage on each purchase. The price of full back is just the same as that of the cushion with fall. If you want both the full back and cushion with fall, the price will be just twice that of the cushion and fall alone.

No. 11244. Black drill Cushion and Fall **78c**
No. 11245. Black drill Cushion without Fall.....**65c**
No. 11246. Rubber Cushion with Fall.....**94c**
No. 11247. Rubber Cushion without Fall.....**80c**
No. 11248. Blue or green cloth Cushion, plain top, with Fall.....**$1.67**
No. 11249. Blue or green cloth Cushions, with Fall, biscuit or diamond tufted, filled with moss.....**$2.00**
No. 11250. Fancy leather Cushions and Fall, plain top.....**$3.00**
No. 11251. Fancy leather Cushions, without Fall, plain top.....**$2.50**
No. 11252. Black leather Cushion, with Fall, plain top.....**$2.95**
No. 11253. Black leather Cushions, without Fall, plain top.....**$2.50**
No. 11254. Black split leather Cushions, with Fall, plain top.....**$2.55**
No. 11255. Black split leather Cushions, without Fall, plain top.....**$2.00**
No. 11256. Green or black artificial leather Cushions and Falls.....**$1.66**
No. 11257. Same as No. 11256 without Fall..... **1.35**
No. 11258. Brown corduroy Cushions and Falls, plain top.....**$2.00**
No. 11259. Brown corduroy Cushions, without Falls, plain top.....**$1.75**

All above Cushions are based on 34-inch length. All larger sizes we charge 7c per inch extra.

In ordering Cushions give size of seat. Measure length and width on inside bottom of seat and do not include the flare.

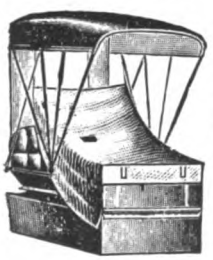
Drill.

Standard quality embossed rubber Carriage Drill for mending cushions, buggy tops, etc.

No. 11261. 18 ounce, white back, 50 inch wide, per ard.....**40c**
No. 11262. 22 ounce, white back, 50 inches wide, per yard.....**47c**
No. 11263. 28 ounce, white back, 50 inches wide, per yard.....**54c**
No. 11264. 22 ounce, blue or green back, 50 inches wide, per yard.....**60c**
No. 11265. 22 ounce, blue or green back, 36 inches wide, per yard.....**47c**

No. 11267. Carriage fringe, blue or green, 5 inches deep, per yard....**42c**

No. 11269. Worsted Boullion, blue or green, 4 inches deep, per yard, **22c**; 5 inches deep, per yard.....**25c**

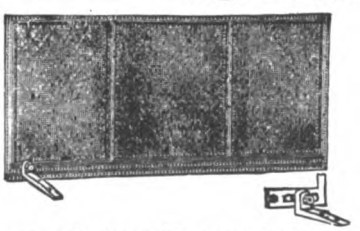


Buggy Aprons.

No. 11271. Holden's patent Buggy Apron, made of waterproof cloth, extra heavy, adjustable to any width buggy dash. Each.....**$1.10**

No. 11272. Carriage Apron, same as buggy apron, except in size, being much larger. Each.....**$1.55**

Buggy Dashes.



Made of best leather molding, completely ironed and ready to put on your buggy. All have patent extensions to fit bodies not exact measurement of the dash.

No. 11274. Buggy Dashes, 11 inches high by 21 inches long. Price, each.....**$1.20**
For each additional inch in length with same height add **3** cents to above price.
No. 11275. Buggy Dashes, 13 inches high by 24 inches long. Price, each.....**$1.40**
For each additional inch in length, same height, add **5** cents to price of 13x24 Dash.
No. 11276. Buggy Dashes, 15 inches high by 24 inches long. Price, each.....**$1.60**
For each additional inch in length for 15 inch height add **5** cents to the price of the 15x24 Dash.
Irons for square end bodies sent unless ordered for flaring end bodies.

Carriage Lamps.

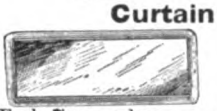
Latest style, very handsome black japanned, with nickel trimmings.

No. 11278. Small size, plain glass, suitable for buggies, phaetons, etc. Price, per pair.....**$3.25**

No. 11279. Large size, having beveled glass, suitable for surreys, carriages, etc. Price, per pair.....**$4.00**

For Dash Lamps and Driving Lanterns, see index.

Curtain Lights.



No. 11281. Buggy Curtain Lights, square corners, japanned frame, 1¼x5 inch opening, complete with glass and frame. Each, **7c**; per doz.....**75c**
No. 11282. 1¾x5½. Each, **9c**; per doz.....**96c**

Button Holes.

No. 11284. Talcott's Elastic Button Holes for carriage or wagon curtains, round hole, japanned frame, rubber center.
Per doz., **30c**; per gross..... **$3.00**

Knob Eyelets.

No. 11286. Knob Eyelets, japanned frame, goat leather center.
Per doz., **10c**; per gross..... **65c**

Metallic Loops and Buckles.

Metallic Loops are stamped from metal to imitate patent leather.

No. 11288. Double buckle Loop, 2½ inches long. Each, **4c**; per doz..**30c**

No. 11289. Single Buckle and Loop.
Each, **3c**; per doz **25c**

Metallic Strap Loops.

11291 Each.....**$0.04**
Per doz..... **.26**

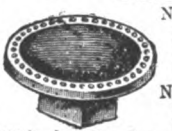
Curtain Straps and Fasteners.

11292 Price, each.....**$0.03**
Per doz..... **.25**

Japanned Carriage Knobs.

11293 To drive.
Per doz..... ....**$0.05**
Per gross..... **.35**
11294 To screw. For single or double curtains.
Per doz.....**$0.08**
Per gross..... **.65**

Carriage Top Prop Nuts.



No. 11295. Imitation covered and stitched japanned top prop nuts.
1 inch. Per doz.....**$0.13**
1⅛ inch. Per doz..... **.14**
1¼ inch. Per doz..... **.15**
No. 11296. Nickel Plated Top Prop nuts.
1 inch. Per doz.....**$0.30**
1⅛ inch. Per doz..... **.31**
1¼ inch. Per doz..... **.32**

Tufting Buttons.

No. 11298. Japanned Tufting Buttons. Per paper of 1 gross, **20c**; per dozen papers.....**$2.16**
No. 11299. Cloth Covered Tufting Buttons, green or blue.
Per dozen, **4c**; per gross.....**$0.40**
No. 11300. Leather Covered Tufting Buttons, green.
Per dozen, **5c**; per gross.....**$0.50**

Lining Nails.

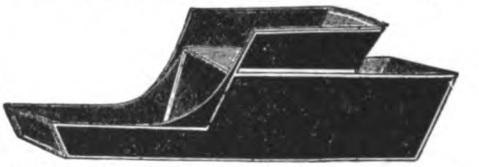
No. 11301. Lining Nails, japanned heads. Size, 4, 6, 8 or 10 oz.
Per paper, **8c**; per doz. papers.....**60c**
Size, 14 or 16 oz.
Per paper, **10c**; per doz. papers.....**75c**

Toe Pads.

11303. Patent Leather Toe Pads or Panel Protectors, placed on the side of the buggy, prevent the varnish from being scratched by the shoe while getting in or out of the buggy. The ornamental designs are embossed. They are an addition to the appearance of any buggy.
Per pair.....**$0.30**

Bodies, Not Painted.

No. 11305. Piano Buggy Body, 24 inches wide and 48 inches long, or 25 inches wide and 50 inches long, panels 8 inches deep; weight, about 50 lbs.
Finished and crated for shipping.....**$3.95**



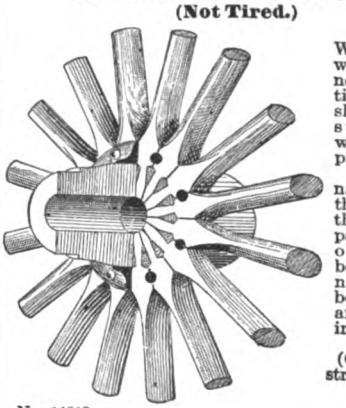
No. 11306. Road Wagon Body, 24 inches wide, 48 inches long, or 25 inches wide and 50 inches long; crated for shipment; not ironed or painted, but finished in white; weight, about 58 lbs.
Each.....**$4.05**

Buggy Seats.

When ordering, give length of buggy seat from outside to outside on the bottom.

No. 11307. Buggy seat, not painted or ironed, but in the white, all ready for finishing, square corners, 26 to 38 inches wide on the bottom, 15 inches deep; weight, 11 lbs.
Each.....**$1.00**
No. 11309. Buggy seat, same as above, ironed, ready for buggy top or lazy back, sizes same as above.
Price each.....**$1.85**

Sarven Patent Wheels.
(Not Tired.)



Sarven Patent Wheels are too well known to need description. The sizes shown below are standard and we can ship promptly.

The prices named are for the wheels in the white (not painted) without tires or boxes. We cannot furnish boxes. For tires and axles see index.

(Cut shows construction of hub.)

No. 11312.

Size of spoke, inches	1	1⅛	1¼	1⅜
Length of hub, inches	6½	6½	7	7
Tread	⅞	1	1⅛	1¼
Depth of rim	1⅛	1¼	1⅜	1½
A grade	$10.00	10.10	11.30	12.50
B grade	8.20	8.30	9.50	10.75
C grade	6.45	6.55	7.15	8.30
D grade	5.25	5.35	6.00	6.25

Diameter of the above: 3 ft., 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., 3 ft. 8 in., 3 ft. 10 in., 4 ft.

Give height of Wheels wanted. If no height is mentioned we use our judgment in filling orders. These prices are for a set of 4 wheels any height listed above. Half sets furnished at one-half the price of a set. **The Hub length** is length of box which goes in the hub; rim band and hub or sand band not being measured. Write us for prices on heavier Sarven Wheels, being careful to give size of spoke, length of hub, tread, depth of rim and height of wheels wanted. Thimble skeins cannot be used in Sarven Wheels. Steel axles must be used.

Iron Tires.

No. 11314. In sets of 54 feet, which is the correct amount for ordinary sets of wheels. Prices subject to change of market.

Size.	Weight. lbs.	Price per set.	Size.	Weight lbs.	Price per set.
1¼x⅜	85	$1.48	2½x½	227	$3.40
1⅜x⅜	94	1.53	3 x¼	273	4.09
1½x½	137	2.40	3½x½	319	4.78
1⅝x½	148	2.60	4 x½	364	5.46
1¾x½	160	2.80	4 x⅝	455	6.82
2 x½	180	3.15			

Digitized by Google

Steel Tire.

No. 11316.

Size	¾x3/16	⅞x3/16	1x¼	1¼x¼
Weight, per set	27 lbs.	30 lbs.	48 lbs.	60 lbs.
Price, per set	$0.75	.85	1.10	1.35

Tire and Iron Work Bolts.

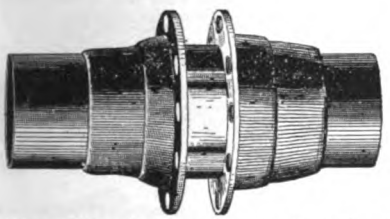
No. 11318.

Diameter, 3-16 inch.							
Length,	1½	1¾	2	2¼	2½	2¾	3
Per doz.,	$0.03	.03	.03	.04	.04	.04	.04
Per 100,	.17	.18	.19	.21	.22	.23	.25
Diameter, ¼ inch.							
Length,	1¾	2	2¼	2½	2¾	3	
Per doz.,	$0.04	.04	.04	.04	.05	.05	
Per 100,	.23	.25	.26	.27	.29	.31	
Diameter, 5-16 inch.							
Length,	1¾	1¾	2	2¼	2½	2¾	3
Per doz.,	$0.05	.05	.05	.05	.05	.05	.06
Per 100,	.30	.30	.32	.34	.36	.38	.46

For other bolts see index.

Tired and Banded Wheels.

(Sarven Patent.)



Cut shows style of flange used on our tired wheels.

The wheels and axles on a buggy are usually completely worn out while the other parts, with slight repairs, would be good for several more years' service. If you have a buggy in this condition, a set of our tired wheels, a set of short bed axles and a coat of paint give you a buggy which will probably last just as long as a new one. Our wheels are made by a reliable factory and closely inspected when we receive them, and any wheels not right are refused. They are tired with a round edge tire, bolted between every spoke. The flange and hub band are shown in above cut. The length of hub is the length where the box goes. We do not set boxes, or weld axles, and cannot furnish boxes only, as they would probably not fit your axles. We do not furnish painted wheels. Buggy paint, varnish, etc., is sold by our grocery department. See index.

No.	Thickness of tire.	Size of spoke.	Length of hub.	Width of rim.	Depth of rim.
11320	7-32	1 1-16	6½	⅞	1⅛
11321	¼	1⅛	6½	1	1¼
11322	5-16	1¼	7	1⅛	1⅜
11323	⅜	1⅜	7½	1¼	1½

No.	Height of front wheel.	Height of rear wheel.	Price per set.	Weight per set.
11320	3 ft. 8	4 ft.	$7.75	90
11321	3 ft. 8	4 ft.	8.00	100
11322	3 ft. 8	4 ft.	9.50	125
11323	3 ft. 8	4 ft.	11.25	160

The above sizes of wheels are those most used, and we aim to carry them in stock at all times ready to fill orders as soon as received. Can also usually furnish wheels in heights of 3 feet 6 inches and 3 feet 10 inches and 3 feet 4 inches and 3 feet 8 inches at same prices without delay, if all other sizes are regular. If no height is mentioned we send 3 feet 8 inches and 4 feet wheels. **In ordering wheels for repair work give length of box in your old wheel, which will be the length of hub required.** All wheels warranted against defects in material or workmanship. Two wheels sold at half the price of a set, one wheel at one-quarter the price of a set. In ordering parts of sets **be sure to give height.**

Steel Axles.

We sell half patent solid collar swelled shoulder steel axles complete with boxing. We cannot furnish boxes only, nor axles without boxes. **A set of short bed axles** (commonly called axle stubs) consists of 4 axles with short bed, which are intended to be welded to old axles. **A set of long bed axles** consists of 4 axles with bed long enough to make axle complete by welding in the center. We sell one half set at one half the price of a full set, and one quarter set at one quarter the price of full set. We cannot weld axles or set boxes.

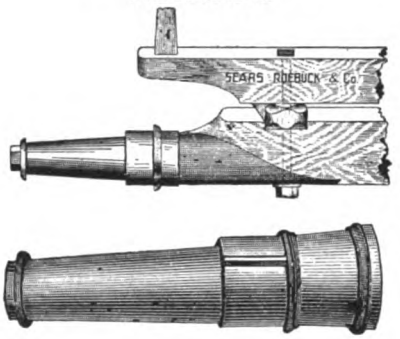
No. 11330. Short bed.
No. 11331. Long bed.

Size.	Price short bed.	Price long bed.	Size.	Price short bed.	Price long bed.
⅞x6½	$2.05	$2.65	1¼x7½	$3.10	$4.10
1 x6½	2.15	2.80	1⅜x7	4.75	6.00
1⅛x6½	2.45	3.25	1⅜x7½	4.85	6.05
1⅛x7	2.50	3.30	1½x8	6.30	7.55
1⅛x7½	2.55	3.35	1⅝x8½	7.90	9.30
1¼x6½	3.00	4.00	1¾x9	10.00	11.50
1¼x7	3.05	4.05			

In ordering parts of sets be sure and state whether right or left hand is wanted.

Thimble Skeins.

With boxes to fit.



No. 11335. Steel Skeins.
No. 11336. Iron Skeins.

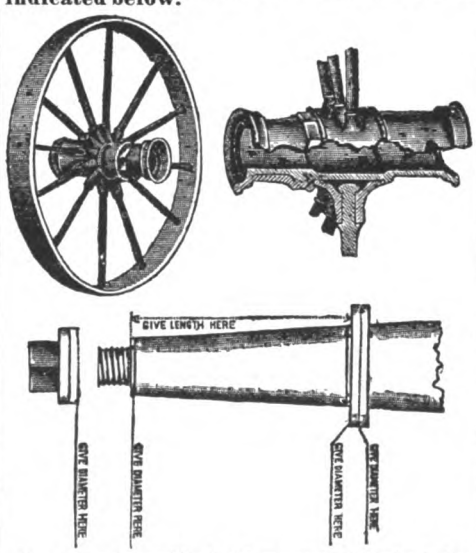
These Thimble Skeins are seamless and have cut threads. Set consists of 4 skeins, but we will sell one only at ¼ the price of full set, or 2 only at ½ the price of full set.

When ordering one skein only, state whether right or left is wanted.

Size, Inches.	Weight, lbs. Iron.	Price Per Set Iron.	Price Per Set Steel.	Weight, lb. Steel.
2 x 6	24	$0.82		
2 x 6½	26	.82		
2⅛x 6½	26	.88		
2¼x 7	28	.94	$3.74	44
2¼x 7½	30	1.00	3.80	46
2⅜x 7	30	1.00		
2⅜x 7½	32	1.00		
2½x 7	32	1.13		
2½x 7½	34	1.13	3.80	48
2½x 8	36	1.19	3.87	50
2¾x 8	40	1.32	4.07	51
2¾x 8½	48	1.35	4.14	53
2¾x 9	52	1.50	4.20	60
3 x 9	56	1.50	4.34	66
3 x10	60	1.60	4.47	70
3¼x 9	65	1.75	4.96	70
3¼x10	70	1.88	5.00	76
3¼x11	74	1.94	5.06	80
3½x10	74	2.00	5.54	80
3½x10½	80	2.00	5.60	88
3½x11	84	2.08	5.67	94
3½x12	92	2.20	6.00	100
3¾x11	92	2.25	6.66	100
3¾x12	96	2.35	6.66	108
4 x12	116	2.65	8.00	112
4¼x12	122	3.75	8.67	135
4½x12	130	4.50		
4½x18	138	5.00	12.00	150

Wide Tire Metal Wheels.

If you and your neighbors would use wide tired wheels, you would have good roads. Made and shipped from Davenport, Iowa, or Springfield, Ohio, according to which is nearest. In ordering give dimensions as indicated below.



The demand for wide tired low metal truck wheels has led us to study the demands of our customers, and caused us to catalogue standard wheels which are made by the best manufacturers, and which can be furnished at the lowest possible cost. The low wheel with wide tire has come to stay. Economy and strength are served when you have a set for use in the hundred and one emergencies arising where they may be used to great advantage. If you now have a new wagon, the gear will outlast two sets of common wood wheels. Buy a set of these up to date wide tired metal wheels, and avoid further expense that is bound to come in the constant use of wood wheels. At the same time, a day's use of these low

Wide Tire Metal Wheels—Continued

metal wheels will convince you that you will save the cost of them in a year. You can do alone with them what would require an extra hand with the old style wheels. You can load your wagon twice as easily, and you can haul twice as much more with the same team.

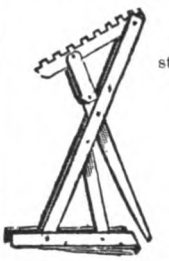
We warrant all these wheels against defective workmanship or material, and if found defective under our guarantee, we will repair or replace them free of charge if delivered to our factory.

We urge you to give these wheels a trial. The increased demand proves their absolute success and makes other orders certain where they are once introduced. In making out your order, be sure to state size of skein wheel is intended for. These wheels have 4 inch tire. The hub is malleable iron, with a removable box, so that when worn, it can be replaced with a new one. The spokes are of straight steel, oval in form and 1 inch in diameter.

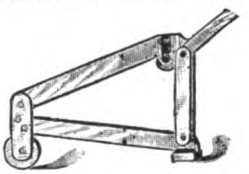
We make these wheels in 30 inch, 34 inch, or 38 inches in diameter; with 10, 12, and 14 oval steel spokes respectively.

No. 11341. Price of 30 in. wheel. Each.....**$3.15**
No. 11342. Price of 34 in. wheel. Each..... **3.60**
No. 11343. Price of 38 in. wheel. Each..... **4.00**

Wagon Jacks.



No. 11344. Eclipse Wagon Jack, strong and durable.
Price each.....**70c**



No. 11347.

No. 11346. Miller's patent Wagon Jack. For buggy, each, **$1.00**; for wagon, each, **$1.25**; for truck, each.....**$1.65**

No. 11347. The Meeker Wagon Jack is the strongest and lightest, most compact and neatest of all the wagon jacks in the market. Will lift more and easier than any other jack in the market. It is all metal but the handle. We carry in stock three sizes.

No. 2. Weight, 24 lbs.; will lift 3,000 lbs. Price.....**$2.90**
No. 3. Weight, 13 lbs.; will lift 2,000 lbs. Price.....**$1.20**
No. 4. Weight, 7 lbs.; will lift 1,000 lbs. Price.....**$1.00**

Wagon Hubs.

No. 11349. Made of selected oak and birch, cupped patterns, measurements are made inside of hub, the cupping not being included in the lengths given. Always give sizes. We cannot furnish less than full sets.

Size. Diam., in.	Length, in.	Style mortise.	Price per set, Oak.	Price per set, Birch.	Weight per set, lbs.
6	7	Part Dodged			20
6	7½	"			20
6	8	"			20
6½	7½	"	$0.85	$0.85	25
6½	8	"			25
6½	8½	"			25
7	8	Straight & "			30
7	8½	"	.97	.91	30
7	9	"			30
7½	8½	"			35
7½	9	"	1.12	1.00	35
8	9	"	1.18	1.12	40
8	10	"	1.25	1.18	40
8¼	10	"	1.31	1.25	45
8½	10	"	1.37	1.31	50
8½	11	Straight.	1.44	1.37	50
9	11	"	1.50	1.44	60
9	12	"	1.56	1.44	60
9½	11	"	1.56	1.44	75
9½	12	"	1.56	1.50	75
10	12	"	1.87	1.68	85
10½	12	"	2.18	1.81	95
11	13	"	3.25	2.25	110
12	14	"	3.68	2.87	125

These hubs are bored for thimble skeins and will be sent that way unless it is specified that they are wanted for iron axles. Be sure and give dimensions in ordering.

Buggy Hubs.

No. 11351. Select elm Buggy Hubs, painted ends. Always give size. Nothing but full sets furnished.

Diameter.	Length.	Size mortise.	No. of mortises.	Price per set.
3½	6½	1 7/16x 7/8	14 and 16	$0.60
4	7	1 7/16x ½	14 and 16	.75
4¾	7	1 7/16x 7/16	14 and 16	.90
5	6½	1 7/16x ½	14 and 16	1.10
5	7	1 7/16x ½	14 and 16	1.20
5¾	7½	1 7/16x ½	14 and 16	1.25
6	7	1 3/16x 9/16	12 and 14	1.30
6½	8	1½x ⅞	12 and 14	1.55
6½	9	1½x ⅞	12 and 14	1.80
7	8½	1⅝x ⅝	12 and 14	1.95
7	9	1⅝x ⅝	12 and 14	2.10

Remember that we stand back of our goods with a binding guarantee that they shall be just as represented, or they may be returned and money refunded.

Digitized by Google

Wagon Spokes.

No. 11353. Wagon Spokes, forest oak, 52 to a set. Always state what size and grade is wanted.

Size, inches.	Price per set. C	B	B select.	A	A select.	Weight, lbs.
2		$1.80	$2.19	$2.69	$2.72	55
2⅛ to 2½	$1.44	1.80	2.19	2.69	2.72	60-80
2⅝	1.75	2.12	2.50	3.00	3.13	90
2¾	1.80	2.15	2.55	3.00	3.16	95
3	1.85	2.20	2.60	3.00	3.20	110

A set consists of two bundles, one front and one hind, the two bundles containing enough spokes for one set of wheels.

Front bundles are half the price of a full set.

Hind bundles are half the price of a full set, plus 25c.

Buggy Spokes.

No. 11357. Buggy Spokes, hickory, 1 to 1⅜, 60 to a set, 1½ to 2 inch, 52 to set. We do not break sets. Can be used only in wood hub wheels.

Size, inches,	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2
Weight, per set, lbs.	25	28	32	35	40	46	48	54	60

Prices, C grade, $1.25 per set; B select, $2.00; A extra select, $2.50. All sizes are the same price. **Be sure to state size wanted.**

No. 11359. Sarven Wheel Spokes; can be used only in Sarven wheels; not put up in sets; will sell any quantity at prices quoted. **Be sure to give size wanted.**

Size.		A	B	C
¾ to 1¼.	Price each	9c	6c	5c
1 5-16 to 1⅜.	Price each	10c	7c	5c
1 7-16 to 1½.	Price each	11c	8c	6c
1 9-16 to 1⅝.	Price each	12c	9c	7c

No. 11361. **Club Spokes,** for iron hub wheels. Grade, B select. Size 1 inch to 2 inch. We sell any quantity at prices quoted. **Be sure to give size wanted.**

Size.		
1 to 1¼ inch.	Price each	5c
1 5-16 to 1⅜ inch.	Price each	6c
1 7-16 to 1½ inch.	Price each	7c
1 9-16 to 1⅝ inch.	Price each	8c
1 11-16 to 1¾ inch.	Price each	9c
1⅞ to 2 inch.	Price each	10c

No. 11362. Shell Band Wheel Spokes. Can be used only in shell band wheels. We carry in stock B grade only. Sell any quantity at prices quoted. **Be sure to give size wanted.**

Size.		
1 to 1¼ inch.	Price each	6c
1 5-16 to 1⅜ inch.	Price each	7c

Sawed Felloes.

No. 11363. Sawed Felloes, select white oak, rough; 26 to set. Nothing less than one front or one hind bundle furnished. A set consists of one front and one hind bundle, or enough felloes for one set of four wheels.

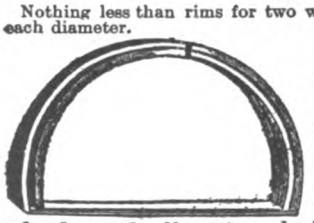
Diameter, 3 ft. 8 in. and 4 ft. 6 in.

	Weight.	Per Set.
1¾ tread x 2¼ depth	75 lbs.	$1.25
1¾ tread x 2½ depth	80 lbs.	1.30
2 tread x 2½ depth	85 lbs.	1.35
2 tread x 2⅝ depth	90 lbs.	1.37
2 tread x 2¾ depth	95 lbs.	1.40
2¼ tread x 3 depth	130 lbs.	2.00
2½ tread x 3 depth	160 lbs.	2.30
Diameter, 3 ft. 2 in., 4 ft. 2 in.		
2¼ tread x 3 depth	130 lbs.	$2.05
2½ tread x 3 depth	160 lbs.	2.35

Special diameters sawed to order. Prices on application.

Bent Felloes or Rims.

Nothing less than rims for two wheels furnished in each diameter.



No. 11365. Bent of the choicest woods obtainable. We can furnish the following diameters: 3 ft., 3 ft. 2 in., 3 ft. 6 in., 3 ft. 8 in., 3 ft. 10 in., 4 ft., and 4 ft. 2 in. **Always state diameter desired for front wheels and diameter desired for hind wheels.**

Price per set (4 wheels).

Tread.	Depth.	Weight.	Select Hickory.	Black Hickory.
⅞	1	25 lbs	$0.70	$0.90
1	1⅛	30 lbs	.75	.92
1⅛	1¼	35 lbs	.78	1.00
1¼	1⅜	45 lbs	.85	1.25
1⅜	1½	50 lbs	.95	1.30
1½	1⅝	55 lbs	1.10	1.52
1⅝	1¾	65 lbs	1.30	1.75
1¾	2	75 lbs	1.70	2.12
2	2	80 lbs	1.75	2.31

Bent Truck and Wagon Rims.

No. 11370. Select White Oak.

Tread size.	Depth.	Price, per set.	Weight.
3 inch.	1¾ inch.	$2.00	120 lbs.
3 inch.	2	2.25	125 lbs.
4 inch.	1¾	2.65	155 lbs.
4 inch.	2	2.88	160 lbs.

In circles of 30, 36, 42, 44, 50 and 54 inches, all same price. State diameter wanted.

Our Common Sense Tongue Support.

No. 11371. Accompanying cut shows our Common Sense Support for wagon tongues. One of the greatest improvements of the age. One of these on your wagon will pay for itself many times over in the saving of horse flesh. Give it a trial and you will be convinced of its advantages and utility. You can put it on any common wagon, and it can be adjusted to any desired height. We consider it the most efficient tongue support made; can be put on or taken off in less than a minute. Our special price **$1.00**

BOLSTER SPRINGS.

Our Celebrated Low Down Easy Bolster Spring.

No. 11373. The accompanying cut shows our Easy Bolster Spring, positively the best wagon spring made. The illustration shows just how the spring sets on the Bolster. It raises the wagon bed less than any first-class spring in the market. There are many imitations of this spring, which fact is the best proof of its value. The medium weight leaf springs serve to convert the common farm wagon into a spring vehicle that rides as easy as a buggy empty, or with a light load. When you have a heavy load, the relief coil springs render the wagon just as easy riding, and take from the leaf springs a part of the weight. This spring is the outcome of several years' experiments. We feel that we are offering as a result a bolster spring that is the height of perfection. Where one of these sets goes into a neighborhood, a dozen more will follow.

We make these Bolster Springs for 36 inch, 38 inch, 42 inch, and 44 inch bolsters. In ordering, give careful measurements of exact width between bolster stakes. Our special prices are as follows:

Capacity to carry up to 1,200 lbs., per set of two full springs, **$5.25**; capacity to carry up to 2,000 lbs., per set of two full springs, **$6.00**; capacity to carry up to 3,000 lbs., per set of two full springs, **$7.50**; capacity to carry up to 4,000 lbs., per set of two full springs, **$9.00**; capacity to carry up to 6,000 lbs., per set of two full springs, **$12.00.**

Our Fruit and Dairy Bolster Springs.

No. 11374. Order by number.

Our No. 11374 Bolster Springs are especially adapted for fruit or dairy hauling, but are used extensively on all kinds of wagons. Truck farmers and dairymen lose many times the price of these springs through damage to fruit and milk, when being jolted over rough roads. These Bolster Springs are equally easy, whether you have a light or heavy load. For 1,000 to 1,500 lbs. capacity there are two coil springs to each Bolster. For 2,000 to 3,000 lbs. capacity there is one extra relief coil spring to each Bolster. For 4,000 to 5,000 lbs. capacity there are two extra relief coil springs to each Bolster, and for 5,000 to 6,000 lbs. capacity there are three extra relief coil springs to each Bolster. The illu-tration above shows the springs for 4,000 to 5,000 lbs. capacity. This Bolster Spring is simple in construction, reliable and durable. Farmers, fruit growers, and dairymen will find a long felt want satisfied in this article.

They obviate all the annoyances as well as the losses occasioned by traveling over rough roads. We put them up to fit 36, 38, 42 or 44 inch bolsters, and they have extension end shoes to fit odd sized Bolsters. Any one can instantly adjust them to fit any ordinary wagon.

We warrant every set to give entire satisfaction. In ordering, always give exact size between Bolster stakes.

Our special prices for set of two Springs:

To carry 1,000 lbs., per set, **$3.00**; to carry 1,500 lbs., per set, **$3.35**; to carry 2,000 lbs., per set, **$3.75**; to carry 2,500 lbs., per set, **$4.15**; to carry 3,000 lbs., per set, **$4.50**; to carry 4,000 lbs., per set, **$5.25**; to carry 5,000 lbs., per set, **$6.00**; to carry 6,000 lbs., per set, **$6.75**; to carry 8,000 lbs.. per set, **$7.50.**

Our Common Sense Bolster Spring.

No. 11376. Order by number.

We illustrate here our Common Sense Bolster Spring. This spring is made to meet the demand for an easy article at a small price. A set will transform your common wagon into an easy riding vehicle. This one in particular is as perfectly graduated as any spring on the market. Adapted alike for light or heavy use; we guarantee every set to give entire satisfaction. One set in your neighborhood is bound to sell others. At our low prices you can sell enough sets to your neighbors, who see yours, to pay you for your own.

The prices below are for two springs, for rear and front bolsters. Always give exact width between bolster stakes when ordering. Our special prices:

To carry 1,000 lbs., per set of 2 springs, **$2.95**; to carry 1,500 lbs., per set of 2 springs, **$3.25**; to carry 2,000 lbs., per set of 2 springs, **$3.75**; to carry 2,500 lbs., per set of 2 springs, **$4.15**; to carry 3,000 lbs., per set of 2 springs, **$5.25**; to carry 4,000 lbs., per set of 2 springs, **$6.00**; to carry 5,000 lbs., per set of 2 springs, **$6.75**; to carry 6,000 lbs., per set of 2 springs, **$7.50**; to carry 8,000 lbs., per set of 2 springs, **$8.25**; to carry 10,000 lbs., per set of 2 springs, **$9.00.**

Racine Bolster Springs.

No. 11377.

When ordering state width between bolster stakes and weight you wish wagon to carry.

These heavy spring steel leaves are more durable and far superior to coil springs, and are taking their place wherever tested. Fits any farm wagon.

No. 11377. 1,000 lbs. capacity; weight, 30 lbs. Per pair **$3.00**

No. 11379. 2,000 lbs. capacity; weight, 40 lbs. Per pair **$3.50**

No. 11380. 4,000 lbs. capacity; weight, 50 lbs. Per pair **$4.50**

No. 11382. 6,000 lbs. capacity; weight, 75 lbs. Per pair **$5.50**

Price is for two springs.

Carriage Springs.

Oil tempered, half bright.

No. 11384. Carriage springs, regular elliptic shape. Will furnish only one spring at half the price of pair; double sweep same price as single.

Width, Inches.	No. of Leaves.	Length, Inches.	Av. Weight, Per Pair, lbs.	Price, Per Pair.
*1¼	3	34	33	$1.82
*1¼	3	36	35	1.95
*1¼	4	34	37	2.08
*1¼	4	36	40	2.27
*1¼	5	36	43	2.47
1⅜	3	34	36	2.01
*1⅜	3	36	38	2.14
*1⅜	4	34	40	2.40
*1⅜	4	36	45	2.53
*1⅜	5	36	47	2.73
*1½	3	36	41	2.24
*1½	4	36	47	2.73
1½	4	38	51	2.99
*1½	5	36	55	3.25
1½	5	38	56	3.31
*1½	6	36	63	3.83
1½	6	38	69	4.16
*1¾	4	36	55	3.25
1¾	4	38	58	3.44
*1¾	5	36	65	3.90
1¾	5	38	71	4.29
1¾	6	36	74	4.48
1¾	6	38	80	4.87
*1¾	7	36	82	5.00
1¾	7	38	85	5.20
2	4	36	59	3.51
2	4	38	65	3.90
*2	5	36	74	4.48

Springs marked * are stock sizes. All other sizes must be made to order, for which allow five days.

Sweet's Seat Springs.

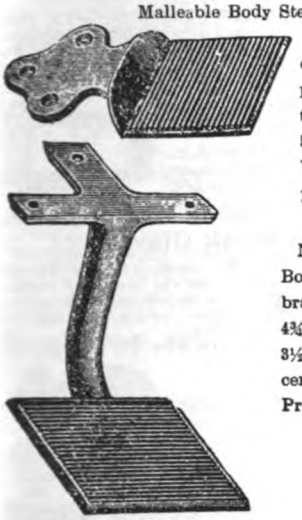
No. 11388. Seat Springs, two leaf, 1½x26 inches. Weight, per pair, 12 lbs. Per pair **50c**

Our discount of 3 per cent. for full cash with order is almost always taken advantage of by our customers. The discount goes a great ways toward paying the freight.

Digitized by Google

Carriage Steps.

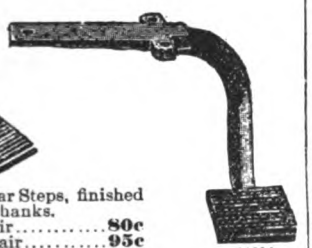
Malleable Body Step.



No. 11389. ¾ inch drop, 3½x3⅜ inch pad, 1⅞ inch center to center of holes, 5-16 inch holes. Weight, 1 lb. Price per pair.....**16c**

No. 11390. Malleable Body Step, without brace, 4 inch drop, 4¾ inch projection. 3½x4 pad, 3⅝ inches center to center holes. Price, per pair....**32c**

No. 11392. Body Steps, with braces, to be used on buggies; 6¾-inch projection, 6½-inch drop.
Wrought, per pair...**$1.00**
Malleable, per pair....**43c**
No. 11393. For surreys. Projection, 10½; drop, 9½.
Wrought only, pair, **$1.50**



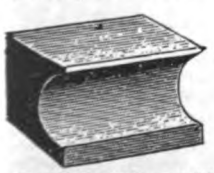
11394

No. 11394. Side bar Steps, finished yoke, Norway iron shanks.
Size 3x3½, per pair.....**80c**
Size 3¼x3¾, per pair.....**95c**
Size 3½x3¾, per pair.....**$1.05**
No. 11395. Same sizes, made of malleable iron, per pair, **40c**, **45c** and **60c**, respectively.

Anti-Rattlers.

No. 11397. Shaft and Pole Coupling, Anti-Rattlers, "The Dandy," made of steel, the head strengthened by a plate riveted on; to place in position set the lower part in the coupling and drive them in; they will not break; the corrugation on the side prevents them from working out.
Per pair.....**10c**
Per doz. pairs....**$1.00**

No. 11398. Anti-Rattler and Bolt Holder, made of Crescent patent cold rolled steel. It insures against the rattling of the shafts of any spring vehicle, is perfectly noiseless, will last as long as the buggy, and shafts can be taken off without trouble and replaced by a pole in a minute.
Per pair.....**12c**
Per dozen....**$1.10**



No. 11399. Common pattern, rubber Anti-Rattlers.
⅞ in., per pair, **4c**; per doz. pairs.....**40c**
1 in., per pair, **4c**; per doz. pairs.....**45c**
1⅛ in., per pair, **5c**; per doz. pairs.....**50c**

No. 11401. Wire Anti-Rattler, made of steel wire; prevents rattling of the shafts.
Price, per pair, **5c**; per doz. pairs.....**50c**

It will not pay you to order small items alone by express. Make up a freight order of groceries and hardware, such as you will need, and the saving will be large.

Shaft Couplings, Etc.

Shaft Couplings, finished beveled ears.
No. 11403. ⅞ inch eye, 5-16 inch bolt, 3½ inch clip, 5-16 inch shank; weight, 1 lb.
Per pair, **25c**; doz. pairs...**$2.75**
No. 11404. 1 inch eye, ⅞ inch bolt, 3½ inch clip, 5-16 inch shank; weight, 2 lbs. 9 oz.
Per pair, **25c**; doz. pairs...**$2.75**
No. 11405. 1⅛ inch eye, 7-16 inch bolt, 4 inch clip, 5-16 inch shank; weight, 3½ lbs.
Per pair, **30c**; doz. pairs...**$3.25**
No. 11406. 1¼ inch eye, 7-16 inch bolt, 4 inch clip, ⅞ inch shank; weight, 3½ lbs.
Per pair, **45c**; doz. pairs...**$5.00**

Fifth Wheels.

Fifth Wheels, Derby pattern, plain front. When ordering, give size of axle, size of iron and diameter.

	Size of Iron.	Diameter.	Each.
No. 11410.	½, 9-16, ⅝	10 and 16 in	$0.60
No. 11411.	¾	12 and 16 in	.70
No. 11412.	⅞	14 and 16 in	1.15
No. 11413.	1	14 and 16 in	1.65
No. 11414.	1⅛	14 and 16 in	1.90
No. 11415.	1¼	14 and 16 in	2.50

Clip King Bolts, Flanged with Finished Ends.

No. 11417. No. 1, ½ inch at collar, light, weight 11 oz.
Each, **15c**; per doz.....**$1.50**
No. 11418. No. 2, 9-16 inch at collar, medium, weight 12 oz.
Each, **15c**; per doz.....**$1.50**
No. 11419. No. 3, ⅝ inch at collar, heavy, weight 15 oz.
Each, **20c**; per doz.....**$2.25**
No. 11420. No. 4, ¾ inch at collar, extra heavy, weight 1 lb. 4 oz.
Each, **27c**; per doz.....**$3.00**

No. 11422. Axle Clips, flat part 2½, 2¾, 3¼, 3¾, 4¼, 4¾ inches long, ⅞ inch wide and 5-16 inch shank. Clips, 2½ and 2¾, weight 3 oz. each; 3¼ to 4¾, 5 oz. each.
Each, up to 3¾ inch, **3c**; per doz.....**30c**
Each, 4½ and 4¾, **5c**; per doz.....**50c**
No. 11423. Same, ⅞ shank.

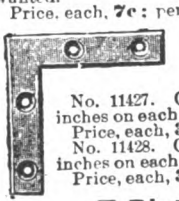
	Each.	Per Doz.
Flat part, 1⅛x4	4c	45c
Flat part, 1⅛x4½	4c	45c
Flat part, 1⅛x5	5c	55c
Flat part, 1⅛x5½	5c	55c
Flat part, 1⅛x6	6c	65c
Flat part, 1⅛x6½	6c	65c
Flat part, 1⅛x7	7c	75c
Flat part, 1⅛x7½	7c	75c

Axle Clip Yokes.

Wrought iron. Punched holes.

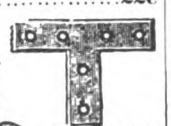
No. 11424. Axle Clip Yokes with 5-16 inch holes; distance between holes ⅞ to 1½ inches. State size wanted in ordering.
Price, each, **3c**; per doz.....**25c**
No. 11425. Axle Clip Yokes with ⅜ inch holes; distance between holes from 1 to 2 inches. State size wanted.
Price, each, **5c**; per doz.....**50c**
No. 11426. Axle Clip Yokes with 7-16 inch holes; distance between holes from 1⅛ to 2¼ inches. State size wanted.
Price, each, **7c**; per doz.....**75c**

Corner Irons.



No. 11427. Corner Irons, beveled edge, 3½ inches on each side, ⅝ inch wide.
Price, each, **3c**; per doz.....**22c**
No. 11428. Corner Irons, beveled edge, 3½ inches on each side, ¾ inch wide.
Price, each, **3c**; per doz.....**22c**

T Plates.



	Long	High	Wide	Each	Doz.
No. 11429.	2¾	2⅛	⅝	3c	22c
No. 11430.	3⅜	2½	¾	3c	22c
No. 11431.	3¾	2¾	¾	3c	22c

T Shaft Irons.

No. 11432. Shaft Irons, 8 inches long, 5 inches high, ⅞ inches wide, ¼ inch holes; in pairs, rights and lefts.
Per pair, **8c**

Rivets.

No. 11434. Rivets, flat head. The number of rivets to the pound is approximated. ¼ inch in diameter, any length.
Per lb.....**7c**

Length	1	1⅛	1¼	1⅜	1½	1⅝
No. rivets to lb	58	56	54	53	50	48
Length	1¾	1⅞	2	2⅛	2¼	2⅜
No. rivets to lb	46	44	42	40	38	36
Length		2½	2⅝	2¾	2⅞	3
No. rivets to lb		34	32	30	28	26

Give size when ordering.

No. 11436. Rivets, oval head. The number of rivets to the pound is approximated. ¼ inch in diameter, any length.
Per lb.....**7c**

Length	1	1⅛	1¼	1⅜	1½	1⅝
No. rivets to lb	56	54	52	50	48	46
Length	1¾	1⅞	2	2⅛	2¼	2⅜
No. rivets to lb	44	40	37	35	33	30
Length		2½	2⅝	2¾	2⅞	3
No. rivets to lb		28	25	23	22	20

Give size when ordering.

No. 11438. Wagon Box Nails, 3/16 inch in diameter, lengths 1¼, 1⅜, 1½, 1⅝, 1¾, 1⅞ and 2 inch; 3/16, any length.
Per lb.....**12c**
Give size when ordering.

Riveting Burrs.

No. 11439. Riveting Burrs, for ¼ inch rivets. Outside diameter ⅝ inch, hole 11/64.
Per lb.....**12c**
For 3/16 inch rivets. Outside diameter ½ inch, hole 11/64.
Per lb.....**15c**

Whiffletree Plates.

No. 11440. Whiffletree Plates 3¼ inches long; 5/16 inch round hole; weight per set, 4 oz. Per set, **4c**; per doz. sets.....**25c**

Felloe Plates.

No. 11442. Wrought Iron Felloe Plates. Philadelphia pattern.

Sizes	¾	⅞	1	1¼	1⅜	1½	1⅝	1¾	2 in.
Weight per doz.	6	7	11	15	21	21	22	35	36 oz.
Per doz	5c	6c	8c	12c	16c	18c	20c	24c	27c

Pole Tips.

No. 11443. Silver plated Pole Tips.

Length	6¼	6½	6¾	7	7¼ in.
Size of hole	1	1⅛	1¼	1⅜	1½ in.
Weight	14	14	17	18	23 oz.
Silver plated. Each	60c	65c	70c	75c	95c

No. 11444. Plain malleable.

Each	12c	16c	22c	28c	33c

Shaft Tips.

No. 11445. Size of hole, ⅞ inch. Silver plated.
Per pair **10c**; per doz. pairs.....**80c**
Size of hole, 1 inch. Silver plated.
Per pair, **12c**; per doz. pairs....**$1.10**

No. 11446. Size of hole	⅞ inch.	1 inch.
Wrought brass. Per pair	$0.15	$0.20
Wrought brass. Per doz. pairs	1.25	1.40
No. 11454. Malleable Shaft Tips. Per pair		.06
Malleable. Per doz. pairs		.57

Whiffletree Tips.

No. 11447. Length, 3¼ inches; size of hole, ¾ inch; weight per pair, 8 oz. Silver plated.
Per pair.....**$0.45**
Per doz. pairs.....**4.85**

Length	3¼	4	4	4
Size of hole	⅞	1	1⅛	1¼
Weight per pair, oz	8	13	14	21
Silver plated. Per pair	$0.46	$0.53	$0.80	$1.13
Silver plated. Per doz. pairs	4.90	5.73	8.65	12.15

No. 11448. Hawley's Patent Whiffletree Hooks.

Diameter, in	⅞	1	1⅛
Weight per pair.	11	12	13 oz.
Per pair	$0.21	$0.23	$0.30
Per doz. pairs	$2.20	$2.25	$2.65
Diameter, in		1¼	1⅜
Weight per pair, lbs.		1	1⅛
Per pair		$0.33	$0.39
Per doz. pairs		2.90	3.55

No. 11450. Closed end—core malleable

Size inside large end,	¾	⅞	1	1⅛	1¼ in.
Depth	1	1	1⅛	1 1/16	1½ in.
Each	2c	2c	3c	3c	4c
Per doz	15c	17c	22c	25c	30c

Undoubtedly some of your neighbors have never bought by mail, and think it don't pay. If you can persuade them differently, we make it worth your while. See special club order terms on page 4.

Digitized by Google

Malleable Whiffletree Tongues.

No. 11451. With shoulder. To screw. 3 inches long, 7/16 inch shank. Each, **3c**; per doz..... **24c**
2⅞ inches long, ⅜ inch shank. Each, **2c**; per doz..... **15c**

Wagon Box Rods.

No. 11452. Narrow Track. No. 11453. Wide Track.

Wagon Box Rods, with patent collar; both wide and narrow track; state which you want; wide track are 3 feet 7 inches between collars, and narrow track 3 feet 3 inches; weight about 1¾ lbs.
Each, **9c**; per doz **98c**

Wagon Bow Staples.

No. 11455. Bow Staples, (to rivet).

Size.	Weight, doz.	Per doz.	Per gross.
1½	17 oz.	7c	$0.80
1¾	20 oz.	8c	.90
2	24 oz.	9c	1.00

Wagon Bow Staples.

(To drive.)

State size wanted.

No. 11457. Wagon Bow Staples, 1½, 1¾ and 2 inch. Weight per doz., 15 oz.
Per doz., **7c**; per gross.... **80c**

Wear or Rub Irons, Malleable.

No. 11458. Length, 6½ in.; width, 2 inches.
Per pair **10c**
Per doz. pairs **$1.10**

No. 11459. 1¼ inch bearing. Length, 5 inches.
Per pair..... **8c**
Per doz. pairs..... **85c**

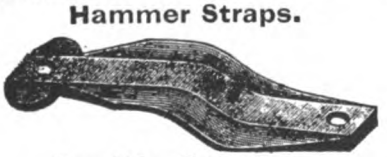
No. 11461. Length, 6¼ inches; bearing, 1⅜ inch.
Per pair, **10c**; per doz. pairs..... **$1.00**

King Bolts.

No. 11462. Button head steel wagon King Bolt.

Size.	Each.	Per doz.
⅝ inch	15c	$1.50
1 inch	20c	2.00
1⅛ inch	25c	2.50
1¼ inch	30c	3.00

Hammer Straps.



Wrought Iron Hammer Strap.
No. 11463. Heavy, each, **5c**; doz **55c**
No. 11464. Light, each, **4c**; doz..... **45c**

Pole Caps.

No. 11465. Wrought Iron Pole Cap, with holdback. Weight, 2 lbs. 10 oz.
Each, **16c**; per doz. **$1.75**

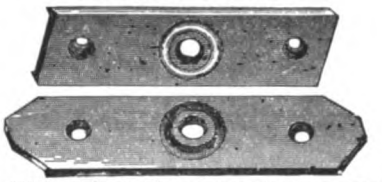
Wagon Box Straps.

No. 11467. Wagon Box Strap Bolts. A set consists of 8.

Length, inches	10	12	14	16	18
Weight per set, lbs.	4¼	6	7¼	9½	10
Diameter at screw	½	½	9/16	9/16	⅝
Per set	28c	30c	33c	42c	58c

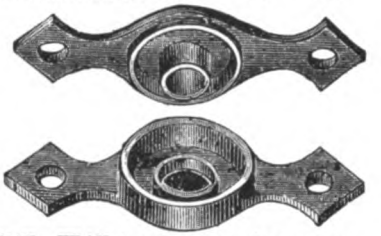
Special attention is directed to page 4 of this Catalogue, where our liberal terms on club orders are explained. It will pay you to interest your neighbors in this Catalogue.

Bolster Plates.



No. 11468. Bolster Plates, wrought iron, common pattern.

Width	2¾	3	3¼	3½
Weight	5½ lb.	5½ lb.	5½ lb.	6 lb.
Per set	20c	25c	30c	32c



No. 11469. Whiffletree Couplings, low pattern.

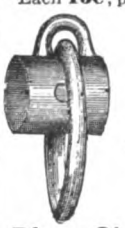
Width.	Length.	Size of hole.	Weight, oz.	Per pair.	Per doz. pairs.
1½	4	⅜	4	4c	25c
1¾	4¾	⅜	8	5c	30c
2	4¾	⅜	9	5c	30c
2½	5¼	7/16	10	6c	40c
3	6½	7/16	15	6c	60c

Malleable Seat Spring Hooks.

No. 11472. Seat Spring Hooks, 3½ inches long; 1⅛ and 1½ inch hooks. Weight per set, 2 lbs. 13 oz.
Per set of 4 hooks..... **8c**

Neck Yoke Attachment.

No. 11474. Wrought Iron Neck Yoke Attachment, with plate, complete. 9/16 in. ring, 7/16 in. eyes, ⅜ in. links.
Each **15c**; per doz.. **$1.50**

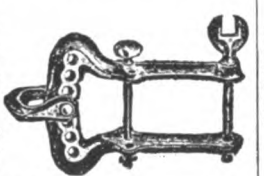


Neck Yoke Ferrules.

No. 11475.

Size Ferrule, inside small end.	Size Ring.	Price, each.	Price, doz.
1¼ in.	3½x⅜ in.	$0.04	$0.40
1⅜ in.	3½x⅜ in.	.05	.54
1½ in.	3½x 7-16 in.	.06	.64

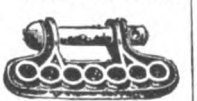
Plow Clevises.



No. 11476. Malleable Plow Clevis, for 2½ inch beam. Extreme length, 8 inches; 5 holes. Weight, 3¼ lbs.
Each **26c**; per doz. **$2.80**

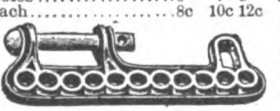
No. 11477. Malleable Plow Clevis, for 2¾ inch beam. Extreme length, 8¼ inches; 7 holes. Weight, 3¼ lbs.
Each, **28c**; per doz..... **$3.00**

No. 11479. Malleable Iron Plow Clevis, for 3 inch wood beam, 4¾ inch to center of beam holes; 9 holes in cross clevis. Weight 5¼ lbs. Complete, as shown in cut.
Each..... **38c**



No. 11480. Cross Link for iron heavy plow clevis.

	A.	B.	C.
Width, in., inside lugs	2¼	2	3¼
Length, in	5	6	6½
Holes	6	7	8
Each	8c	10c	12c



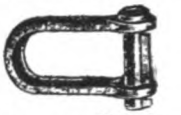
No. 11481. Three horse attachment for iron beam plow clevis. Malleable iron.

	A.	B.	C.
Width, in., inside lugs	2	2⅜	3⅜
Length, in	7¾	9½	9½
Holes	9	11	11
Each	11c	14c	16c

Screw Pin Clevis.

No. 11482. Malleable Clevis, with screw pin, 2½ inches inside measure, 4½ inches in length. Weight, 1 lb. 10 oz.
Each, **10c**; per doz..... **90c**

Self-Fastening Pin Clevis.



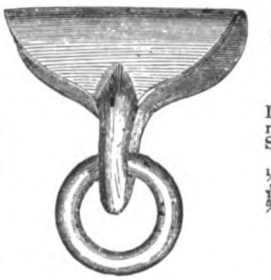
No. 11484. Malleable Patent Self-fastening Pin Clevis; inside measure 2½ inches; whole length, 4½ inches. Weight, 1 lb. 12 oz.
Each, **10c**; per doz..... **$1.00**

Swivel Hook Clevis.

No. 11486. Evener Clevis with swivel hook, 2½ inches inside measurement, 9 inches extreme length. Weight, 3 lbs. 9 oz.
Each, **15c**; per doz.. **$1.62**

End Clevis.

No. 11487. Malleable End Clevis, inside measure ¾ inch, whole length 3 inches. Weight, 12 oz.
Each, **4c**; per doz..... **44c**

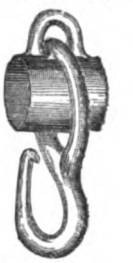


Center Clips.

For 2 to 3 inch single trees.

No. 11491. Wrought Iron Center Clip, with rings.

Size of iron in ring.	Each.	Doz.
½ inch,	$0.05	$0.50
9/16 inch,	.06	.64
⅝ inch,	.07	.75



Whiffletree Hooks and Ferrules.

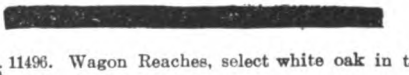
No. 11492. Singletree Hook and Ferrule; wrought iron hook, malleable ferrule. Weight, 11 ounces each.
1¼ inches, each, **4c**; per doz..... **44c**
1½ inches, each, **5c**; per doz..... **52c**

Wagon Axles, Rough.

No. 11494. Wagon Axles, shell bark hickory.

Size.	Weight per pair.	Per pair.
3x4 inches by 6 feet long,	48 lbs.	$0.70
4x5 inches by 6 feet long,	80 lbs.	1.40
4x6 inches by 6 feet long,	96 lbs.	1.65
5x6 inches by 6 feet long,	120 lbs.	2.25
5x7 inches by 6 feet long,	142 lbs.	2.65

Wagon Reaches.



No. 11496. Wagon Reaches, select white oak in the rough.

Size.	Length.	W't.	Each.	Size.	Length.	W't.	Each.
2x4 in.	8 ft.	11 lbs.	25c	2½x4½	12 ft.	47 lbs.	57c
2x4	10 ft.	13½ lbs.	33c	2½x5	10 ft.	45 lbs.	50c
2x4	12 ft.	16 lbs.	38c	2½x5	12 ft.	57 lbs.	60c
2½x4½	8 ft.	31 lbs.	38c	3x5	12 ft.	60 lbs.	71c
3¼x4½	10 ft.	40 lbs.	43c				

Wagon Gearing, Rough.

No. 11501. Wagon Gearing, sawed select oak, consisting of 2 front hawns, per pair, **25c**; 2 hind hawns, per pair, **27c**; 2 tongue hawns, per pair, **25c**; 1 sway bar, each **12c**; 4 stakes, per set, **10c**; set complete..... **99c**
(Weight, per set, 55 pounds.)
No. 11502. Bent Hawns, wide or narrow track, 2x3 in. Weight, 20 lbs. Each..... **51c**

Wagon Bows.

No. 11504. Express Wagon Bows, white ash, oval top or square top, 5 pieces to a set. When ordering bows, give width from outside to outside, 1½x⅞, 3 feet to 4 feet wide; weight, per set, 25 lbs. Square top, **$1.30**; oval top..... **$1.13**

No. 11505. Wagon Bows, round or square top, 5 pieces to a set (be sure to say whether for narrow or wide track). Weight, per set, 30 lbs. Size, 1⅜x¼ inches. Per set, round top, **60c**; square top..... **65c**

We have a most complete line of Agricultural Implements on pages 136 to 154. Our prices and terms are beyond competition.

Digitized by Google

Wagon Bolster.

No. 11507. Wagon Bolster, select white oak in the rough.

Size.	Length.	W't.	Each.	Size.	Length.	W't.	Each.
2½x3 in.	4 ft.	14 lbs.	18c	4x5	4½ ft.	33 lbs.	43c
3x4	4 ft.	16 lbs.	21c	4x6	4 ft.	33 lbs.	45c
3x4	4½ ft.	18 lbs.	25c	3½x4½	4 ft.	21 lbs.	31c
3½x4½	4 ft.	21 lbs.	29c	4x5	4 ft.	28 lbs.	41c
3½x5	4 ft.	23 lbs.	32c	4x6	4½ ft.	36 lbs.	51c

Wagon Tongues.

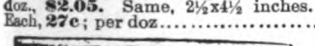
No. 11507. Wagon Tongues, select white ash, rough size at butt, 3x3, tip 2x3, 12 feet long. Weight, 30 lbs. Each.....**75c**

No. 11508. 4x4, 12 feet long; tip, 2x4. Weight, 50 lbs. Each.....**95c**

Singletree and Evener Woods, Etc.

No. 11509. Wagon Neck Yoke Wood, round hickory, 2 inch center, 38 inches long, not ironed. Weight, 3 lbs. 3 oz. Each, **10c**; per doz.....**$1.10**

No. 11510. Wagon Evener Woods, hickory not ironed, 2x4 inches, 4 feet long. Weight, 7¾ lbs. Each, **19c**; per doz., **$2.05**. Same, 2½x4½ inches. Weight, 10 lbs. Each, **27c**; per doz.....**$3.00**



No. 11511. Singletree Woods, round hickory, not ironed; 2½ inch center. Weight, 3½ lbs. Each, **9c**; per doz.....**$1.00**

No. 11512. Singletree Woods, oval hickory, not ironed, 2½ inch center. Weight, 3¾ lbs. Each, **9c**; per doz.....**$1.00**

Ironed Neck Yoke.

No. 11513. Neck Yokes, 38 inch; hickory, ironed complete. Weight, 7¼ lbs. Each, **40c**; per doz.....**$4.50**

Ironed Evener.

No. 11514. 2x4x48 wrought iron plates and malleable clevis, complete, as shown in cut, oiled. Each.....**42c**

Plow Evener.

No. 11516. Select hickory, 36 inches long, 3 inches thick, with hook in center, about 8 lbs. Each.....**40c**

Ironed Wagon Singletrees.

These are very fine Singletrees, made of selected woods, equipped with center clip hook and ferrule.

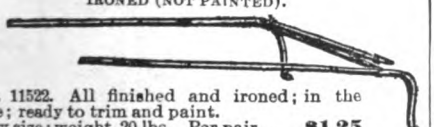
No. 11518. These Singletrees are not painted, but finished smooth and carefully oiled. Singletrees, 26 inch (plow), hickory, ironed. Weight, 3¼ lbs. Each, **17c**; per doz.....**$1.84**

No. 11519. Singletrees, 30 inch, plow, hickory, ironed. Weight, 3¾ lbs. Each, **19c**; per doz.....**$2.00**

No. 11520. Singletrees, 36 inch, wagon, hickory, ironed, with ferrules and hooks. Weight, 6 lbs. Each, **32c**; per doz.....**$3.25**

Shafts.

IRONED (NOT PAINTED).



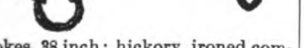
No. 11522. All finished and ironed; in the white; ready to trim and paint.
Buggy size; weight, 20 lbs. Per pair.....**$1.25**
Spring wagon size: weight, 30 lbs. Per pair.....**$1.45**

Bent Heel Buggy or Cutter Shafts

Finished, bars included. **Give size when ordering.**

	Size.	NOT IRONED. Weight.		Black. XXX Hick'y.
No. 11523.	1⅜x1⅞	11¼ lbs.	Per pair,	**65c** **95c**
No. 11524.	1⅜x2	12¼ lbs.		
No. 11525.	1½x2	12½ lbs.		
No. 11526.	1½x2¼	14½ lbs.		
No. 11527.	1⅝x2¼	15 lbs.		

Buggy Singletree Woods.



No. 11530. Buggy Singletree Woods, forest hickory, 1½, 1⅝, 1¾, 1⅞ inch center. **Give size when ordering.** Each, **12c**; per dozen.....**$1.30**

No. 11531. Second growth hickory. Each, **18c**; per dozen.....**$2.00**

Buggy Poles.

No. 11533. Single bend Poles.
No. 11535. Double bend Poles.
Give size when ordering.

Buggy Poles, finished, including finished circles. The prices below are for one single bend pole and circle, which are called a set.

Size.	XXX.	Black Hickory.	Weight.
1¾x2¼	75c	$0.95	14 lbs.
2 x2½	80c	1.05	15 lbs.
2 x2¾	92c	1.25	17 lbs.
2 x3	95c	1.28	19 lbs.

Above prices are for single bend poles.
Double bend Poles, add 5 cents to price of single bend.

Trimmed Neck Yokes.

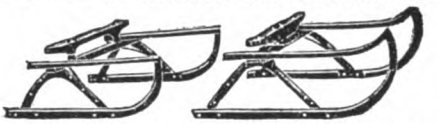
No. 11537. Trimmed Neck Yokes, leather center, acorn tips, 42 inches long; weight, 2 lbs. 10 oz. Each (not painted).....**50c**

Buggy Neck Yoke Woods.

No. 11540. Buggy Neck Yoke Woods, 42 inches long, second growth hickory, acorn tips, 1⅝ to 2 inch center; weight, 2¼ lbs. Each, **25c**; per doz....**$2.50**

Bob Woods.

No. 11542. Finished grocery Bob Woods, all made with 3 knees front and 2 hind, extra well finished, not ironed or painted, but ready for finishing.
1⅛x1½ tread. Per set.....**$5.95**
1¼x1¾ tread. Per set.....**6.85**

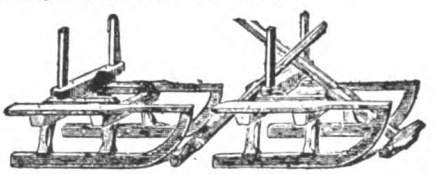


No. 11544. This is a new style and is giving good results; completely ironed, except draw irons and shoes; in the white, ready to paint; just the thing for a pleasure, grocery, express or light delivery sleigh. We want your order for a set.
1⅛ tread. Per set.....**$8.45**
1¼ tread. Per set.....**9.10**

Special Bargains in Bob Sleds.

Our Bob Sleds are made and shipped from Abingdon, Ill., by a concern who have a reputation in this line second to none. The manufacturers of these goods are recognized by all dealers as the makers of the best bobs in the country, and only the best are good enough for us to offer to our trade. We contracted for this line of goods, for the reason that we learned by investigation that nothing but the best of material entered into the construction of this work, that this line of bobs was the best on the market regardless of price.

These Sleighs are all covered by the most binding two years' guarantee, during which time, if any piece or part gives out by reason of defect in material or workmanship, we will replace it free of charge. With care they will last a natural lifetime.



No. 11546. The above picture is an exact representation of our 2x3—two knee Bob Sled, engraved from a photograph.

Our Bobs are made of the very best selected material throughout; best workmanship, painted in four coats vermilion paint, striped, ornamented and varnished.

Our special offer price on the above Bob Sled complete is **$11.90.** Well ironed throughout; complete in every respect.

No. 11547. Size of runners, 2x3 inches; capacity, 4,000 lbs.; size of runners, 2x3½ inches; capacity, 6,000 lbs. Price.....**$12.75**

No. 11548. **We make the same Bobs** with our special patent steel knees as follows:

Size 2x2½ inch runners, for grocery express; capacity, 3,000 lbs.....**$11.85**

Size 2x3 inch runners, for farm use; capacity, 6,000 lbs.....**$11.95**

Size 2x3½ inch runners, for heavy teaming; capacity, 8,000 lbs.....**$12.75**

The Biggest Buggy

CATALOGUE EVER PUBLISHED
WILL BE MAILED TO YOU. . .
Free on Application.

No. 11549. **We also furnish** the celebrated Spies Oscillator Bobs, which we claim to be superior to any on the market. It has its steel knee on the same plan as our steel knee bob. Its construction is as simple and durable as any oscillator bob on the market. It has long runners, grooved shoes, and has two draft rods from the beam to the tongue, to prevent the great strain from the tongue to the runner. These sleds are made in three different sizes:

2x3 inch runners, for grocery express use; capacity, 3,000 lbs. Price.....**$13.50**

2x3½ inch runners, for farm use; capacity, 6,000 lbs. Price.....**$13.80**

2x4 inch runners, for heavy teaming use; capacity, 8,000 lbs. Price.....**$14.95**

Bob Runners.

No. 11551. Bent Bob Runners. Entire length, 5½ feet. Set consists of 4 single runners.

Size.	Weight, lbs.	Per set.
2x3	45	**$1.44**
2x3½	60	**1.68**
2x4	65	**2.08**

Long Sleigh Runners.

No. 11554. White Oak Bent solid, 10½ feet long.

	Per pair.		Per pair.
1⅝x2	**$1.00**	2 x3	**$2.00**
1⅝x2¼	**1.10**	2 x3½	**2.10**
1¾x2½	**1.49**	2⅛x4	**2.40**
2 x2¾	**1.60**	2⅜x4½	**2.80**

Bob Sleigh Gearing.

No. 11556. Bob Beams, 5 to a set, 3x3½; weight, 60 lbs. Per set.....**72c**

No. 11557. Bob Knees, 10 to a set, 3x3½; weight, 40 lbs. Per set.....**40c**

No. 11558. Bob Raves, 4 to a set, 1¾x6¾x54; weight, 40 lbs. Per set.....**68c**

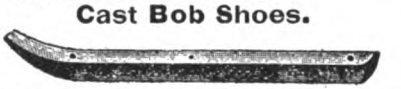
No. 11559. Bob Rollers, 2 to a set, 3x3½x36; weight, 5 lbs. Per set.....**23c**

No. 11561. Bob Saddles, 1 to a set, 2x12x24; weight, 10 lbs. Per set.....**17c**

No. 11562. Bob Reaches, 1 to a set, 2x4x48; weight, 7½ lbs. Per set.....**10c**

No. 11563. Sawed Bob Benches, white Oak, wide track 3 feet 6; narrow track 3 feet 2; size 3x9, each, **45c**; 3½x9, each, **54c**; 4x9, each.....**63c**
Bob Benches weigh 120 pounds to a set.

Cast Bob Shoes.



Cast iron Bob Sleigh Shoes, interchangeable for right or left hand; 1½ tread, 2 on top and 1¾ thick.

No. 11565.

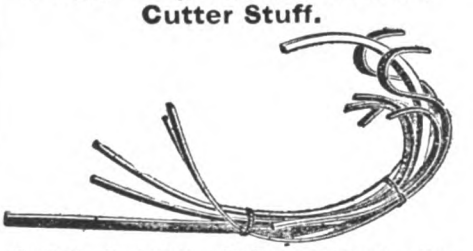
Length.	Weight, per set of four.	Per set.
36 inches.	64 pounds	**$1.28**
38 inches.	66 pounds	**1.32**
40 inches.	68 pounds	**1.36**
42 inches.	70 pounds	**1.40**
44 inches.	72 pounds	**1.44**
48 inches.	76 pounds	**1.52**

Sleigh Shoe Bolts.

No. 11567.

Length.	Diameter.	Price per set of 16.
4½ inches.	7/16	**20c**
5 inches.	7/16	**22c**
5½ inches.	7/16	**25c**
6 inches.	7/16	**28c**

Cutter Stuff.



No. 11569. Bent Cutter Stuff for Portland cutters, consisting of runners, raves and fenders, put up in the rough, 1 set in a bundle. 1½ inch, one seat, weight 35 lbs., per set, **$1**; 1½ inch, two seats, weight, 40 lbs., per set.....**$1.10**

No. 11571. Same for swell body cutters; 1¼ inch, one seat, weight, 35 lbs., per set, **$1.50**; 1½ inch, two seats, weight, 40 lbs., per set.....**$2.20**

No. 11572. Same for square box cutter; 1¼ inch, one seat, weight, 30 lbs., per set, **85c**; 1½ inch, two seats, weight, 35 lbs., per set.....**95c**

Cutter Shoes.

No. 11574. Steel Cutter Shoes, tapered and bent.

Size.	Per pair.	Size.	Per pair.
⅜x¾	**$0.75**	⅜x1	**$0.85**
½x1	**1.10**	½x¾	**.95**
⅝x1¼	**1.15**	½x1¼	**1.20**

Weight, about 28 lbs. per set.

Our special Bicycle Catalogue shows such a line of wheels at such prices that you should not send for it if you have not the will power to resist temptation.

Digitized by Google

DO YOUR OWN WORK

...ON THE FARM...

Sharpen the Plows, Shoe the Horses,

Set the Loose Tires, Mend the Machinery.

WITH AN OUTFIT selected from this list, every farmer, ranchman and mechanic can be his own blacksmith.

NO DELAY FOR REPAIRS IN A BUSY SEASON while the team and a man has gone to the blacksmith shop. Again, if you have an outfit you will improve rainy days to fix up things that are showing wear, and avoid costly vexations and dangerous breakage in a busy time.

THE COST OF A COMPLETE OUTFIT is but little. You will save it all in one year's blacksmith bills, to say nothing of the saving in time.

DON'T SAY YOU CAN'T DO THE WORK. Thousands of farmers have bought outfits from us, few articles at first, then added from time to time, and now have a complete outfit, **DO ALL THEIR OWN WORK**, and many take in work from neighbors, who are willing to pay well for the work and thus save the time of going to the town blacksmith.

A PORTABLE FORGE, ANVIL, DRILL, VISE, STOCK AND DIES, TAPER TAPS, TONGS AND SHOEING OUTFIT, and you are prepared for any kind of blacksmith work.

$25.00 WILL BUY SUCH AN OUTFIT. On the start you may not want a complete outfit, but later you will surely add until you have a complete outfit, and you will call it the best investment you ever made.

SPACE WILL NOT PERMIT our showing everything in the line. We show here the tools most commonly used.

WE ISSUE A SPECIAL CATALOGUE of blacksmith tools, showing everything in the line, and will gladly mail it free on application.

EVERY TOOL WE SELL IS GUARANTEED STANDARD QUALITY, the product of the best manufacturers. We do not handle cheap, trashy or second grade goods.

OUR PRICES, quality considered, you will find by comparison, are far below any competition.

OUR TERMS: Any goods will be sent by freight, C. O. D., subject to examination, on receipt of **ONE-FOURTH** the amount of order, balance to be paid at freight depot.

THREE PER CENT. DISCOUNT, for cash in full with order.

FREIGHT IS VERY LOW on this class of goods, and will add but very little to cost.

BARGAINS IN PORTABLE FORGES

No. 11600.

WE BELIEVE WE ARE HEADQUARTERS FOR EVERYTHING DESIRABLE IN PORTABLE FORGES.

WE HAVE MADE OUR CONTRACTS WITH SEVERAL OF THE very largest and most reliable manufacturers in the country, concerns who are strictly headquarters for the manufacture of the highest grade portable forges on the market.

THERE ARE MANY CHEAP, INFERIOR FORGES OFFERED, and even some of our competitors may attempt to meet or cut our prices, but when a forge is offered at within 10 or 20 per cent. of the price we are able to name, you can depend upon it you are not getting the same grade of work.

WE GUARANTEE OUR FORGES TO BE EXACTLY AS REPRESENTED, and if not found so, you can return them to us and we will cheerfully refund your money.

ALL OUR FORGES ARE MADE OF THE VERY BEST MATERIAL, are thoroughly well put together, and guaranteed to give the best of service. The prices we quote are for the Forges carefully packed and delivered on board the cars in Chicago. You pay the freight, but you will find the freight will amount to next to nothing, as compared with what you will save in price. There is perhaps no more necessary or economic machine on a farm than one of our strictly high grade portable Forges. In one year it will save its cost ten times over in time, to say nothing of the saving in blacksmiths' bills.

WE BELIEVE THAT WE OFFER THE MOST POPULAR LINE OF FORGES, from the fact that our Forge trade has grown until we believe we are without an exception the largest dealers in the land direct with the consumer.

WE WOULD ASK YOU TO COMPARE OUR PRICES CLOSELY WITH THOSE of other houses, compare the illustrations and descriptions, and then if you are not thoroughly satisfied that we are offering you a better Forge for less money than you could possibly buy elsewhere, send to us for a Forge and compare it with the Forge you can buy elsewhere, and if you do not say ours is better and cheaper, the best Forge ever seen for the money, return it at our expense and we will cheerfully refund your money.

No. 11600. OUR SPECIAL LEADER AT $7.95.

AT $7.95 WE OFFER YOU A STRICTLY HIGH GRADE, fully guaranteed Forge, which you could not duplicate elsewhere in a wholesale way at less than $10.00, and a Forge that would retail at $12.00 or more.

THIS FORGE IS ESPECIALLY DESIGNED FOR bridge, boiler and tank builders, miners, prospectors, elevated railroad builders, farmers, etc.

WE ARE ABLE TO GET THE PRICE SO LOW, $7.95, that every farmer in selecting a Forge should order this in preference to a cheaper one. The motion is a very simple device. It has a self-acting ratchet, no springs or anything to get out of order. It is made from the very best material. The lever is connected with a segment of gears which speeds the driving wheel up to a very high speed. It requires a very slight movement of the lever to get the strongest blast. **THIS FORGE IS SUPPLIED WITH A 9-INCH FAN, HEARTH IS 22 INCHES IN DIAMETER.** Having but three legs, it stands very firmly on an uneven foundation, and is purposely made for the work we claim. **HEIGHT OF FORGE, 30 INCHES; HEARTH, 22 INCHES IN DIAMETER; FAN, 9 INCHES; WEIGHT, 80 LBS.** This is the largest Forge we ever saw offered at anything like the price, and we would ask you to compare the size of hearth and fan with other Forges at about the same price, and draw your own conclusions.

WE WANT TO SELL 5,000 OF THESE SPECIAL $7.95 Forges during the coming year, and with the expectation that we will sell this number, we are able to make our price $7.95. By making our contract on this basis, we were able to get the price down to about the actual cost of material and labor. To this we have added only our one small percentage of profit, and as a result, in buying a single Forge from us at $7.95, you are practically buying on the basis of a contract for 5,000 Forges. These Forges are accepted by the railroad companies at second class freight rate, and its weight is 80 lbs. By referring to the freight rates in the front part of the book, you can calculate very closely what the freight will be, which you will find will amount to next to nothing, as compared with what you will save in price.

PLEASE NOTE THAT ON ALL THIS CLASS OF GOODS WE WILL SHIP C. O. D., subject to examination, by freight, where a sufficient amount accompanies order to cover freight charges both ways. You can examine the goods at your freight depot, and if found perfectly satisfactory and exactly as represented, pay the freight agent our special price, $7.95, and freight charges, less the amount sent with order.

A DISCOUNT OF 3 PER CENT. IS ALLOWED on all blacksmith tools, where cash in full accompanies your order. Do not overlook our 3 per cent. cash discount when comparing our prices with those of other houses. Bear in mind that the 3 per cent. cash discount on this Forge would mean to you a saving of 24c., and when comparing our prices with the prices of other houses, always deduct the 3 per cent. cash discount, which brings this Forge down to $7.71. There are Forges on the market, some offered by catalogue houses, you may have seen them illustrated and quoted. Compare this Forge with anything you can find in any catalogue at $10.00, and if you do not from the illustration and description consider ours equal or better, we will not expect you to give us your order.

EVERY ONE IN WANT OF A FORGE SHOULD PLACE THEIR ORDER WITH US, or, if in want of anything in the line of blacksmiths' tools, we should have their order. We feel we are entitled to it by reason of the prices and terms of shipment we offer. First, we have arranged with the different manufacturers to supply only the highest grade of goods that can be obtained. We have fixed the prices at the manufacturers' lowest prices. By a careful comparison of our prices with those of other reliable houses, we have found without a single exception, when quality is considered, we are much lower in price. Different from other houses, we offer to send these goods by freight C. O. D., subject to examination on receipt of a deposit only to cover freight charges. We fully guarantee everything in this line that we offer you. If not found as represented, your money is always ready, and on the basis of excellency in material and make, liberalness in terms of shipment, prices lower than any of our competitors, a 3 per cent. discount for cash, we shall hope to receive your order.

DO NOT OVERLOOK THIS FORGE AT $7.95 ON OUR REGULAR TERMS, OR $7.71 IF CASH IN FULL ACCOMPANIES YOUR ORDER. THERE IS NOTHING LIKE IT ON THE MARKET, AND YOU WILL FIND NO SUCH A BARGAIN IN ANY OTHER BOOK.

No. 11602. Sears, Roebuck & Co. Portable Forge. It is especially built for farmers' use or for light repairing. Blacksmiths should buy a larger forge. This lever forge has pipe legs; stands 30 inches high. Hearth is 18 inches in diameter. Weight, 65 lbs.
Price, each **$6.30**

No. 11604. Sears, Roebuck & Co. Double Ratchet Forge, with shield. This forge is intended for bridge, boiler and tank builders, miners, prospectors, farmers and mechanics. Hearth is 18 inches in diameter.
Price, each...**$9.00**

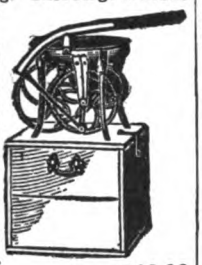
No. 11606. Sears, Roebuck & Co. Double Ratchet Forge, with half hood. Height, 29 inches; fan, 10 inches; hearth, 21x27 inches. Weight, 140 lbs.
Price, each **$14.33**

No. 11608. Sears, Roebuck & Co. Double Ratchet Forge, with shield. Same as No. 11606, except has shield instead of half hood. Weight, 130 lbs.
Price, each.....**$13.50**

No. 11610. Sears, Roebuck & Co. Double Ratchet Forge for carriage smiths and general blacksmiths, having sufficient blast for same, is made with improved revolving anti-clinker ball tuyere iron for regulating the blast. Also supplied with water tank; is guaranteed to be made first-class in every respect. Hearth, 28x40; fan, 14 in.; height, 30 inches; weight, with water tank, 300 pounds; weight, without water tank, 250 lbs.
Price, with water tank.....**$17.75**
Price, without water tank.....**16.00**

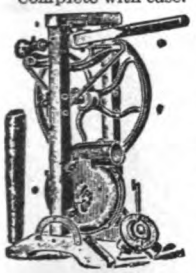
Digitized by Google

No. 11612. Sears, Roebuck & Co.'s Railroad and Bridge Builders' Forge, with galvanized iron drum and shield. This forge is specially designed for bridge and tank builders, all the working parts being enclosed in a galvanized drum made of wrought iron. The shield is also made of galvanized iron. The working parts are easy of access, simply by drawing a small slide to one side. This forge is made of the best material, and capable of the roughest kind of handling. This forge is made with the ball tuyere iron.



Forge No. 9. Size of hearth, 18 in.; fan, 9 in.; height, 30 in.; weight, 115 lbs.
Price.....**$14.75**

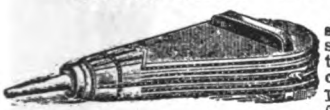
No. 11614. Sears, Roebuck & Co.'s Miners' Forge. Size of hearth is 18 inches; diameter of fan, 9 inches. The capacity of the forge is such as to give the miner and prospector entire satisfaction. It is made with short legs, and we place it in a case, making it very handy for transportation. The case has also ample room for a full line of blacksmiths' tools. Complete with case. Price.....**$10.00**



No. 11616. Sears, Roebuck & Co.'s Lever Blacksmith Blower. Fan is 16 inches in diameter and fly wheel 28 inches in diameter. Has the capacity of a 50-inch bellows. With patent tuyere iron and piping complete. Price.....**$8.00**

Neither skill, money nor labor has been spared in designing and constructing this strictly first-class blower. The automatic lever motion is absolutely perfect in its construction; cannot get out of order; durable and light running; giving a continuous blast, regular and powerful.

Blacksmiths' Bellows.



No. 11618. Blacksmith's Bellows, standard patterns. We use cowhide leather, prepared especially for our use, and we guarantee it to wear equal to any made. We use whitewood, basswood and pine in the woodwork, which is kiln-dried, making it perfectly dry, that it may not be affected by the change of climate. We aim to use nothing but the best and most suitable materials in their construction. The weight of our bellows is about as follows. They may vary a little, but not much:

Width, in.....	26	28	30	32
Weight, lbs.....	30	40	50	60
Price, each.....	$3.30	$3.60	$3.90	$4.20
Width, in.....	34	36	38	40
Weight, lbs.....	70	80	90	100
Price, each.....	$4.80	$5.40	$6.00	$6.90

Moulders' Bellows.

No. 11620. Moulders' Bellows. Weight, 3¾ lbs. Width, 12 inches. Each.....**$1.10**

Tuyere Iron.

No. 11622. Single ducks' nest Tuyere Iron. Weight, 14 lbs.
Price, each.....**40c**

Anvils.

No. 11624. Cast Iron Anvils, with steel face. The face of this anvil is one solid piece of English tool steel thoroughly welded to the body of anvil by a patent process. The horn is covered with and its extremity made entirely of cast steel. The face and horn are then accurately ground and tempered. We do not guarantee this anvil, but it will give excellent satisfaction for light work.

No.	2	3	4	5
Weight, lbs.,	20	30	40	50
Price,	$2.40	$2.75	$3.20	$3.65
No.	6	7	8	9
Weight, lbs.,	60	70	80	90
Price,	$4.00	$4.50	$4.90	$5.55

Refer to the index in end of book for what you can't find. You are liable to overlook many needed articles when you glance through the Catalogue.

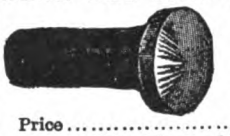
Peter Wright Anvils.

Wrought Iron with Steel Face.

No. 11626. This well known anvil has stood the test for years and is to-day the most popular anvil in the world. It is cheap enough for any body and good enough for any one. Don't buy an anvil too light for your work. A light anvil when struck a hard blow with a heavy hammer is sure to jump. We carry a large stock but occasionally are not able to send exact weight ordered, but can always cover within 5 lbs. of the weight ordered. This anvil is sold by the pound and price per pound varies with the size.

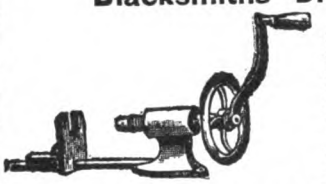
85 lbs. to 500 lbs. Per lb.....**10½c**
61 lbs. to 84 lbs. Per lb.....**13c**
50 lbs. to 60 lbs. Per lb.....**13½c**

Plow Anvil.



No. 11630. Plow Anvil, not cast iron, but solid cast steel; oil finished, polished face. Weight, from 4 to 4½ lbs.
Price.....**60c**

Blacksmiths' Drills.



No. 11632. The old standard Blacksmiths' Drill. Length, 29 inches; screw feed. The hole in mandrel is square to hold drill points, which the blacksmith must make for himself. We cannot furnish drills to fit this machine. Weight, 29 lbs.
Price, each.....**$1.50**

Bench Drill.

Upright Bench Drill. This drill is 26½ inches high, weighs 31 lbs., drills ⅛ to ¾ inch hole. Squares with bed plate; run of screw, 3½ inches; drill stock, 13-16 inch in diameter, crank has extension for large drilling; is fitted with chuck for square or round shank drills; has no self feed attachment. Weight, 35 lbs.

No. 11634. New model Drill, for square shank drills only.
Price, each.....**$4.40**

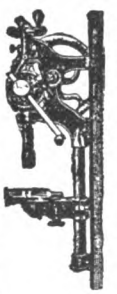
No. 11635. New model Drill, for ½-inch round shank drills only.
Price, each.....**$4.40**

Price does not include drill bits. See index for drill bits.

Post Drills.

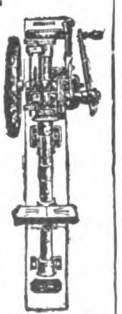
No. 11637. Blacksmith Self Feed Drill, weighs 100 pounds; drills to center of a 14 inch circle; has back gear; will drill from 0 to 1 inch hole; made of the best material; well finished; spindle bored to take in ½ inch straight shank drills.

In material and finish this drill is equal to any that's made.
Price, each.....**$6.00**



11639. World's Champion Self-feed Post Drill, 1893 pattern. The World's Popular Drill for $10.00. Weight, 125 pounds. Drills to the center of a 15-inch circle, and from 1-64 to 1¼ inch hole. Has double journal bearings with full back gear; also, two speeds on right hand side of drill, which can be changed in an instant to suit all kinds of work. Diameter of spindle, 1¼ inches. The screw has an up and down run of 4½ inches. The automatic self-feed is the latest improved. The table is large and slotted, so operator can securely bolt work on for drilling. This drill is mounted on a hard wood plank, 2 inches thick. The spindle is bored to take in ½ inch straight shank drills.
Our price.....**$7.50**

Quick Return Drill.



No. 11641. This drill is supplied with our patent quick-return attachment, by which the drill bit is removed from the work in an instant, by simply pushing a lever with the left hand, while the right hand continues turning the handle or crank which raises the bit to any height desired, and at the same time cleaning the hole bored as the bit revolves while being raised. It has two journal bearings, which are double, as in our 1893 pattern.

The drill is supplied with two true and honest speeds on the right hand side of the drill. First speed for light and medium work, and second speed for heavy work. You simply change the hub from first speed to second speed. Actual weight, 130 pounds. Will drill to a center of 15½ inches. The spindle has a run up and down of 3½ inches, and will bore from 0 to 1¼ inch hole. Spindle is bored to take in ½ inch round shank drills. No drills furnished at this price.
Price, each.....**$8.00**

No. 11642. The (No. 4) Upright Self-feed Drill. This machine has nearly a continuous feed, which may be quickly adjusted by a thumb-screw, for two rates of speed. Has swing table which is very convenient, is out of the way when not in use, and may be quickly swung into position when wanted; will drill to the center of an 18-inch circle. Spindle bored to take drills with ½ inch round shank; will drill from ⅛ to 1½ inch hole. Length, 45 inches; weight, 185 lbs. No drill bits furnished with this machine at prices quoted. See index for bits.
Price, each.....**$12.50**

No. 11643. **With quick-return attachment** (4½).
Price, each.....**$13.50**

No. 11644. Post Drill, like No. 11643, with pulley to be run with power. Each.....**$15.00**

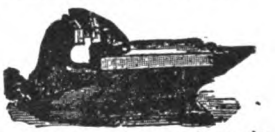
Vises.

No. 11645. Wrought iron Blacksmiths' Vise. Solid boxes, cast steel jaws.

Weights,	35 lbs.	40 lbs.	45 lbs.
Price,	**$4.00**	**$4.20**	**$4.40**
Weights,	50 lbs.	55 lbs.	60 lbs.
Price,	**$4.60**	**$4.80**	**$5.20**
Weights.	65 lbs.	70 lbs.	75 lbs.
Price,	**$5.60**	**$6.00**	**$6.40**

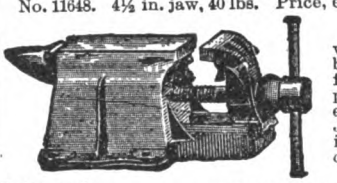
Can furnish vises up to 200 lbs. Price will be quoted on application.

Anvil and Vise.



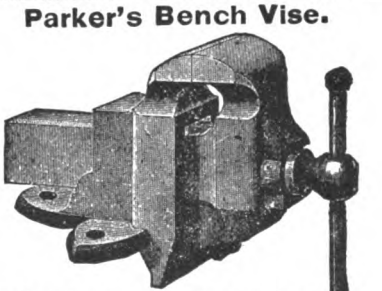
No. 11647. The jaw is adjustable. By removing a pin, the inner jaw can be swung round so as to hold wedge or irregular shape. The anvil has a chilled, hardened and polished surface. This is the best anvil and vise of its kind.

No. 11646. 3½ in. jaw, 25 lbs. Price, each.....**$3.40**
No. 11647. 4 in. jaw, 35 lbs. Price, each..... **4.10**
No. 11648. 4½ in. jaw, 40 lbs. Price, each..... **4.70**



No. 11649. Anvil and vise combined, with jaws for holding pipes. Has chilled face and jaws. Jaws are three inches wide; open 5 inches. Weighs 28 lbs.
Price, each.....**$1.12**

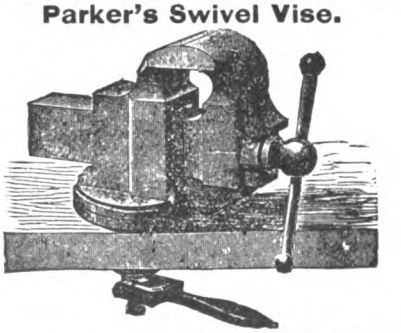
Parker's Bench Vise.



The Parker vises are equal in strength to any bench vise on the market, and the steel faces are milled and fitted to the jaws, and can be renewed at a trifling cost.

	Length of jaws.	Weight.	Price each.
No. 11651.	3¼ inches.	23 lbs.	**$4.00**
No. 11652.	4⅛ inches.	41½ lbs.	**6.15**

Parker's Swivel Vise.



	Length of jaws.	Weight.	Price each.
No. 11654.	2¼ inches.	8½ lbs.	**$2.88**
No. 11655.	3⅛ inches.	23 lbs.	**4.50**

Digitized by Google

Parker's Patent Victor Vises.

This vise has self-adjusting back jaws, which automatically adapt themselves for holding wedge-shaped pieces. The steel faces of these vises are milled and fitted to the jaws, and can be renewed at a trifling cost.

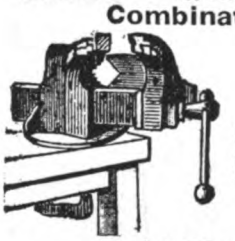
	Length of jaws.	Weight.	Price each.
No. 11660.	3¼ inches	25 lbs.	**$5.15**
No. 11661.	3⅝ inches	39 lbs.	**5.50**

Parker's Patent Swivel Victor Vises.

This vise has swivel back jaws and swivel bottom.

	Length of jaws.	Weight.	Price each.
No. 11663.	3¼ inches	30 lbs.	**$5.50**
No. 11665.	3⅝ inches	42 lbs.	**6.70**

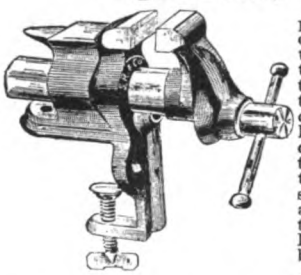
Combination Vise.



No. 11667.

No.	1	2
Weight,	41 lbs.	50 lbs.
Each,	**$7.50**	**$9.50**
Take pipe,	⅛ to 2,	¼ to 3.

Light Clamp Vises.



A very important improvement in this vise consists in widening the clamp at its junction with the body of the vise and providing the same with two countersunk screw holes so in case the clamp is ever broken the vise can be attached to the bench by screws. In the ordinary style of clamp vises they are utterly worthless if the clamp ever breaks.

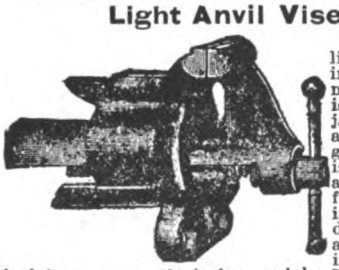
No. 11669. Clamp Vise with Anvil has 1½ inch jaws, opens 1¾ inches, weighs 1¼ lbs.
Price, each **25c**

No. 11670. Clamp Vise with Anvil, has 1¾ inch jaws, opens 2 inches, weighs 2¾ lbs.
Price each **45c**

No. 11671. Clamp Vise with Anvil, has 2-inch jaws, opens 2¼ inches, weighs 4½ lbs. Jaws and anvil face chill hardened.
Price, each **65c**

No. 11672. Clamp Vise and Anvil, has 2½ inch jaws, opens 2¾ inches, weighs 9½ lbs. Jaws and anvil face chill hardened.
Price, each **$1.00**

Light Anvil Vises.



No. 11676. This little vise is made in the finest manner. The body is japanned; the jaws and bar are accurately ground and polished; the screw and lever made from best polished steel. It does not have anvil as shown in cut. Has 1 inch jaws, opens 1¼ inches, weighs 5 oz. and is intended only for jewelers, dentists and similar light work.
Price, each **15c**

No. 11677. Anvil Vise. This vise is made with 1½ inch jaws; opens 1¾ inches; weighs 1¼ lbs. Has anvil as shown in cut. It's one of the cheapest tools we have.
Price, each **18c**

No. 11678. Anvil Vise. Made with 1¾ inch jaws; opens 2 inches; weighs 2½ lbs. Has anvil as shown in cut.
Price, each **38c**

No. 11679. Anvil Vise. Two-inch jaws; opens 2¼ inches; weighs 4 lbs. The jaws and anvil chill hardened.
Price, each **48c**

No. 11680. Anvil Vise. Has 2½ inch jaws; opens 2¾ inches; weighs 9 lbs.; jaws and anvil chill hardened.
Price, each **$1.00**

No. 11681. Anvil Vise. Made with 2½ inch checked and tempered steel jaws; opens 2¾ inches; weighs 9 lbs.; chilled and hardened anvil.
Price, each **$1.20**

Bench Vise.

Parallel Bench Vises for light work in metal or wood, "The Farmer's Vise."

No. 11683. 2¼ inch jaws; weight, 7½ lbs. Price, each .. **$1.00**

No. 11684. 3 inch jaws: weight, 17½ lbs.
Price, each **$1.70**

No. 11685. 4 inch jaws; weight, 38½ lbs.
Price, each **$2.85**

Little Giant Tire-Upsetter.

No. 11686. No. 1 Little Giant will upset any size or diameter of tire, from the light buggy to the heavy tire ½ inch thick to 2 inches wide. Weight, 100 lbs. Price **$8.00**

No. 11687. No. 2 is heavier than No. 1, and lies on the floor. Both jaws move. Will upset any tire, from a light buggy tire to a truck tire 4 inches wide, or bars of square or round iron up to 1¼ inches in diameter. Weight, 160 lbs. Price each. **$11.00**

Champion Tire Shrinkers.

No. 11690. The Champion Tire Shrinker, a very simple and inexpensive machine, which saves all cutting and welding of tires. Works equally as well on the lightest steel tire, and on wagon tires 4x1 inch. Place the tire between the jaws, then draw the cams against the tire, then with but little pressure on the handle you can shrink the tire to suit. Weight, 140 lbs.; floor space required for it 18x10 inches; will shrink tire 1x4, and axles 1¼x1¼. Price, each **$7.50**

Mole Tire Shrinkers.

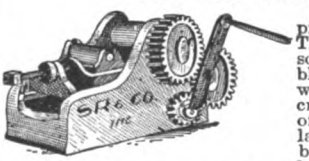
The operation of bringing down the lever grasps the tire and does the work; raising the lever opens it. By this means it is not necessary to remove the tire until it is upset as much as required. Can be successfully operated by one man.

No. 11691. Mole Tire Shrinker, size 1. Bed is 2¼ inches; weight, 150 lbs. Is adapted to general custom work. Price, each **$6.67**

No. 11692. Mole Tire Shrinker, size 2. Bed is 3 inches; weight, 225 lbs. Will do all but the heaviest work. Price, each **$9.35**

No. 11693. Mole Tire Shrinker, size 3. Bed is 4 inches; weight, 300 lbs. Will shrink all sizes, including heavy wagon and truck tires. Price, each **$12.00**

Tire Benders.



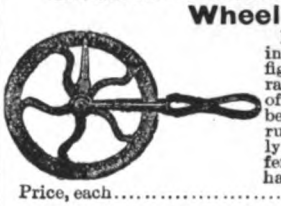
11695. The Champion Tire Bender. The frame is one solid piece; is double back geared, and worked with two cranks. The height of the tire is regulated by a screw; its bending capacity is 3x⅞ inches to the lightest tire; it will take in 5 inches in width; it will bend fifth wheels as well as tires.
Price, each **$6.50**

No. 11696. The Eureka Tire Bender is strong and powerful; the two end rolls are provided with wrought iron collars in order to keep the tire from twisting; the height of the tire is regulated by a screw. The No. 1 size will bend 4x1 tire; the No. 2, 6x1½ inches to the lightest tire.

No. 1, price, each **$10.00**
No. 2 ..... **15.50**

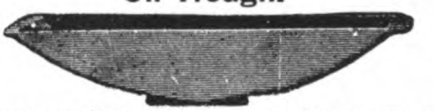
We try our best to please you. We occasionally make a mistake, which we are only too glad to correct. If an error should occur, write us and always give invoice number.

Graduated Tire Measuring Wheel.



No. 11697. A drop forging is made, so that the figures and lines are raised above the surface of the wheel and cannot be filled or defaced with rust or dirt. It is exactly 24 inches in circumference, with index hand.
Price, each **$1.25**

Oil Trough.

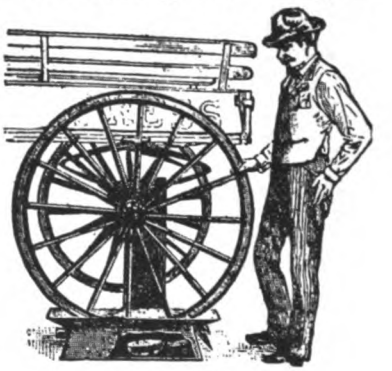


Every one who owns a wagon should have one of these.

No. 11700. Oil Trough, for oiling wagon wheels, for 2 inch tire, made of cast iron; weight, 10 lbs.
Price, each **33c**

No. 11701. Oil Trough, larger size than No. 11700 for wheels with tire as wide as 4 inches. Weight, 15 lbs.
Price, each **48c**

Self Heating Oil Troughs.



DIRECTIONS.

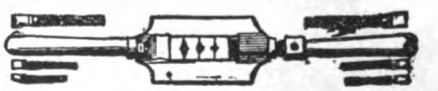
Place the oil trough as shown in the illustration, after having poured into the chamber two quarts of linseed oil. Saturate the mineral wool torch with coal oil or gasoline, and apply match, and place the same under trough, and heat the oil to boiling point. Revolve the wheel slowly in the trough, as shown in cut, until the wood is thoroughly saturated with the oil, taking care that the boiling oil covers the felloe.

Made in two sizes.

No. 11703. For 3½ tire or narrower; weight, 10 lbs.
Each **$1.75**

No. 11704. For tire up to 4 inches; weight, 14 lbs.
Each **$2.00**

Blacksmiths' Stocks and Dies.



No. 11706. Stock and Dies; cuts 5-16 to 1-16, right hand, 18, 24, and 32 threads to the inch, 4 taps and 3 sets of dies, complete; weight, 1 lb **$1.50**

No. 11707. Stock and Dies; cuts 5-16 to 1-16 inch, right hand, 16, 20, 24, and 32 threads to the inch, 4 taps and 1 set of 4 dies; weight, 1 lb **$1.65**

No. 11708. Stock and Dies; cuts ½ to 3-16 inch, right hand, 14 to 20 threads to the inch, and ½ to 5-16 left hand, 14 threads to the inch, 6 taps and 3 sets of dies; weight, 2¼ lbs **$2.10**

No. 11709. Stock and Dies; cuts ½ inch to ⅛ inch, right hand, 16, 20, and 26 threads to the inch, 6 taps and 1 set of 3 dies; weight, 2¼ lbs **$1.95**

No. 11710. Stock and Dies; cuts ⅝ to 3-16 right hand, 14, 18, and 22 threads to the inch; 6 taps and 1 set of 3 dies; weight, 3 lbs. 5 oz **$2.50**

No. 11711. Stock and Dies; cuts ¾ to 5-16 inch, right hand, 12, 14, and 16 threads to the inch, 3 taps and 3 sets of dies; weight, 2¼ lbs **$2.68**

No. 11712. Stock and Dies; cuts ¾ to 5-16 inch, right hand, 10, 12, and 14 threads to the inch, 3 taps and 3 sets of dies; weight, 2¼ lbs **$2.70**

No. 11713. Stock and Dies; cuts ¾ to 5-16 inch, right hand, 10, 12, and 16 threads to the inch, 3 taps and 3 sets of dies; weight, 2¼ lbs **$2.72**

No. 11714. Stock and Dies; cuts 1 inch to ⅜ inch, right hand, 9, 10, and 14 threads to the inch, 3 taps and 3 sets of dies, complete; weight, 4 lbs. 2 oz **$3.00**

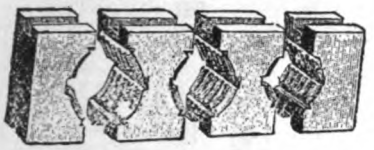
No. 11720. Stock and Dies; cuts ¾ to ⅛ inch, right hand, 10, 12, 14, and 18 threads to the inch, 4 taps and 4 pairs of dies. Price, per set **$3.90**

No. 11721. Stock and Dies; cuts ¾ to ⅜ inch, right hand, 10, 12, and 16 threads to the inch, 6 taps and 3 pairs of dies; weight, 5 lbs **$3.95**

Our discount of 3 per cent. for cash is very liberal, and it will, in many cases, be sufficient to pay the freight. Most of our customers send cash in full.

Digitized by Google

Blacksmiths' Dies.



Blacksmiths' Dies, in sets only, to fit stocks as given above.

We cannot furnish extra dies to fit every number of stock, as they are not all interchangeable.

		Per set.
No. 11726.	For No. 11706 stock and die	$1.30
No. 11727.	For No. 11707 stock and die	1.30
No. 11728.	For No. 11708 stock and die	1.30
No. 11729.	For No. 11709 stock and die	1.30
No. 11730.	For No. 11710 stock and die	1.30
No. 11731.	For No. 11711 stock and die	1.70
No. 11732.	For No. 11712 stock and die	1.70
No. 11733.	For No. 11713 stock and die	1.70
No. 11734.	For No. 11714 stock and die	1.70
No. 11735.	For No. 11720 stock and die	1.92
No. 11736.	For No. 11721 stock and die	1.92

Blacksmiths' Taper Taps.

Give size and threads when ordering.

No. 11740. Right Hand Taps.
No. 11741. Left Hand Taps.

Size, inches.	Hand.	Threads to the inch.	Price, each.
1½	R	6 7 & 8	$1.20
1½	L	6 7 & 8	1.20
1¼	R	6 7 8 & 9	.70
1¼	L	8 & 9	.70
1	R	7 8 9 & 10	.50
1	L	8 & 9	.50
⅞	R	8 9 & 10	.36
⅞	L	9	.36
¾	R	7 8 9 10 12 & 14	.26
¾	L	10 & 12	.26
⅝	R	10 11 12 14 & 16	.20
⅝	L	10 & 12	.20
9/16	R	10 12 14 & 16	.20
9/16	L	12	.20
½	R	10 12 14 16 & 18	.16
½	L	12 & 14	.16
7/16	R	10 12 14 16 & 18	.16
7/16	L	14	.16
⅜	R	10 12 14 16 18 & 20	.15
5/16	R	14 16 18 20 & 22	.12
¼	R	16 18 20 22 24 & 26	.12
3/16	R	24 26 & 28	.12
⅛	R	30 & 32	.12

Bicycle Screw Plate.

These plates will be found very convenient as they are especially adapted to bicycle work. The dies are adjustable for making tight or loose fits. Plug taps are furnished with these plates.

No. 11744. Set No. 1. Stock 5 inches long, dies ⅝ of an inch in diameter, 6 dies and 6 taps.

Cutting 3-32, 54; ⅛, 40; ⅛, 42; 3, 48; 3, 56; 6, 38, or an equal number of regular sizes.

Price, complete, in hardwood case.....**$4.00**

No. 11745. Set No. 2. Stock 5 inches long, dies ⅝ of an inch in diameter, 6 dies and 6 taps.

Cutting 3-32, 56; 7-64, 56; 9-64, 40; 1, 64; 1½, 56; 2, 48, or an equal number of regular sizes.

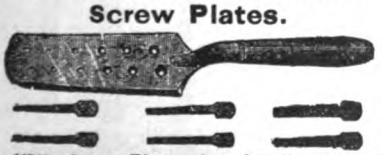
Price, complete, in hardwood case.....**$4.10**

No. 11746. Set No. 3. Stock 5 inches long, dies ⅝ of an inch in diameter, 14 dies and 14 taps.

Cutting 3-32, 52; 3-32, 54; 3-32, 56; 7-64, 56; ⅛, 40; ⅛, 42; 9-64, 40; 1, 64; 1½, 56; 2, 48; 3, 48; 3, 56; 4, 42; 6, 38, or an equal number of regular sizes.

Price, complete, in hardwood case.....**$8.00**

Screw Plates.



No. 11748. Screw Plates, iron handles, will cut 1 different sizes from ⅜ to 3/16, intended for gunsmiths', jewelers' or model makers' use; weight, 10 oz. **Each, 90c; by mail, 10c extra.**

Electric Screw Plates.

No. 11751. The Champion Electric Screw Plate, No. 5. Length of stock, 23 inches, cuts ¼x20, 5/16x18, ⅜x16, 7/16x14, ½x12, ⅝x11, ¾x10.

Price, with tap wrench.....**$10.40**

No. 11752. The "Champion" Electric Screw Plate, No. 2. Length of stock, 23 inches, cutting ¼-20, ⅜-16, ½-12, ⅝-11, ¾-10. Complete in box with tap wrench.

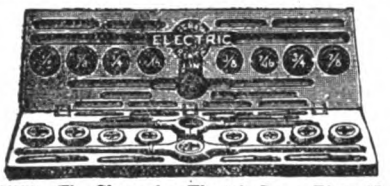
Price, each.....**$8.75**

No. 11753. The Champion Electric Screw Plate, No. 4. Length of stock, 26 inches, cuts ½x12, ⅝x11, ¾x10, ⅞x9, 1x8 threads.

Price, with tap wrench.....**$11.25**

No. 11754. The "Champion" Electric Screw Plate, No. 7. Length of stock 26 inches. Cutting ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1-8. Complete in box.

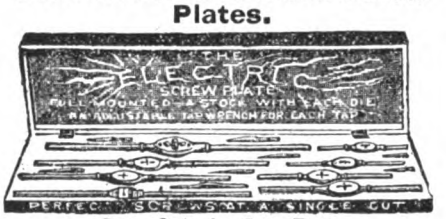
Price, each.....**$16.50**



No. 11756. The Champion Electric Screw Plate, No. 9; has two stocks, one 14½ inches long for the first four sizes, and the other 26 inches long for the larger sizes, cuts ¼x20, 5/16x18, ⅜x16, 7/16x14, ½x12, ⅝x11, ¾x10, ⅞x10, 1x8.

Complete in case, with tap wrench.....**$17.85**

Electric Full Mounted Screw Plates.



Complete in One Box.

Every set supplied with our patent adjustable electric tap wrench. The best screw plate in the market.

No. 11760. Electric Screw Plate, No. 102, cutting ¼-20, ⅜-16, ½-12, ⅝-11, ¾-10 threads.

Price, each.....**$10.10**

No. 11761. Electric Screw Plate, No. 104, cutting ½-12, ⅝-11, ¾-10, ⅞-9, 1-8 thread.

Price, each.....**$12.68**

No. 11762. Electric Screw Plate, No. 105, cutting ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, ⅝-11, ¾-10 thread.

Price, each.....**$11.70**

No. 11763. Electric Screw Plate, No. 107, cutting ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-12, ⅝-11, ¾-10, ⅞-9, 1-8 thread.

Price, each.....**$19.15**

Green River Screw Plates.

No. 11765. The Green River Screw Plate, set No. 1½, cuts from ¼ to ¾ inch; stock 22 inches long, 7 sizes; ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾ inch taps; dies and guides complete in case.

Per set.....**$10.50**

No. 11766. The Green River Screw Plate, set No. 3, from ¼ to 1 inch; stock, 29 inches in length, 5 sizes; ½, ⅝, ¾, ⅞, 1 inch taps, dies and guides complete in case. Weight, 18 lbs.

Per set.....**$14.25**

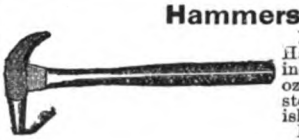
Other numbers of Green River Screw Plates quoted on request.

$4.98 FOR A LADIES' $7.00 SILK SKIRT.

"WHATEVER YOU DO, DO IT WELL."

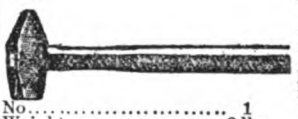
That's the motto we follow in our skirt department, and that's the reason why we can offer you a ladies' fine black figured taffeta silk skirt, made up in the very latest style and finished in first-class manner throughout for **$4.98. You would pay $7.00 for this skirt elsewhere.** For full description see our skirt department.

Hammers.



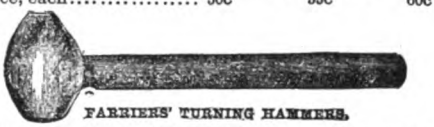
No. 11768. Farriers' Hammer; weight (not including handle), 10 oz.; adze eye, cast steel, round pole, polished.

Price, each.....**40c**



No. 11769. Blacksmiths' Hand Hammer, extra fine steel. Fully warranted; handles not included in weights.

No.	1	2	3
Weight	2 lbs.	2 lbs. 10 oz.	3 lbs.
Price, each	50c	55c	60c



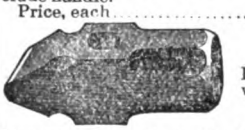
FARRIERS' TURNING HAMMERS.

No. 11771. Farriers' Turning Hammers, Chicago pattern, solid cast steel, with handles. Weights, without handles, 2, 2½ and 3 lbs.

Price each, any weight.....**95c**

No. 11772. Farriers' Turning Hammers, New York pattern. Weights, 2, 2½ and 3 lbs.; weights do not include handle.

Price, each.....**$1.20**



No. 11774. Solid cast steel Blacksmiths' Sledges, without handles.

Size, pounds	8	9	10	11	12	13	14	15	16	17
Price, each	56c	63c	70c	77c	84c	91c	98c	$1.05	$1.12	$1.19

No. 11775. Handles for above, 36 inches long, shaved hickory.

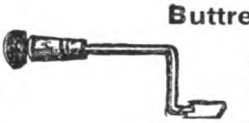
Price, each, **20c**; doz.....**$2.16**

Farriers' Knives.

No. 11778. Wostenholm Farriers' Knife, celebrated IXL brand. Weight, 7 oz.

Price, each.....**28c**

Buttress.



No. 11779. Cast steel Farriers' Buttress, half polished. Weight, 1 lb, 7 oz.

Price, each.....**50c**

Bolt Clippers.

No. 11780. Bolt Clipper, solid steel head, malleable iron handles, very strong, simple adjustment. Don't buy too small size.

No. 0 cuts ¼ inch bolts in the thread only. Price, each, **$2.50.** No. 1 cuts ⅜ inch bolts in the thread only. Price, each, **$3.00.** No. 2 cuts ½ inch bolts in the thread only. Price, each, **$4.00.** No. 3 cuts ⅝ inch bolts in the thread only. Price, each, **$7.50.**

Tongs.

No. 11782. Blacksmiths' Straight Lip Tongs, drop forged, no welds; weight, 2¼ lbs.; length, 20 inches.

Price, each.....**26c**

No. 11783. Length, 22 inches; weight, 2¾ lbs.

Price, each.....**30c**

Blacksmiths' Round Bolt Tongs, length 20 inches. State what size bolts tongs are wanted for.

No. 11785. For bolts 5/16 to ½ inch, weight from 1¾ to 2½ lbs.

Price, each, any one size.....**40c**

No. 11786. For bolts ⅝ to ¾ inch, weight 2¾ lbs.

Price, each.....**50c**

No. 11787. For bolts ⅞ to 1 inch, weight 3½ lbs.

Price, each.....**55c**

Pincers.

No. 11767. Farriers' Pincers, solid hammered cast steel polished jaws, length 14 inches; weight, 2 lbs. 10 oz. **Not for cutting nails.**

Price, each.....**70c**

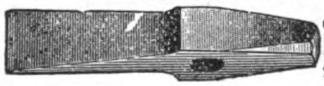
We will consider it a great favor if you will interest a neighbor in our house, show him our Catalogue and induce him to send for one.

Digitized by Google

Cutting Nippers.

No. 11790. Solid Cast Steel Cutting Nippers. For cutting wire nails, etc. Also used for cutting horses' hoofs. Do not pry with this nipper, for it is hardened to cut and prying will almost surely break it. Length, 14 inches.
Price, each **70c**

Anvil Tools.



No. 11791. Hot Cutter (no handle is furnished), 1⅜ inch cut; weight, 2 lbs. 2 oz.
Price, each. **35c**

No. 11793. Cold Cutter (handle is not furnished), 1⅜ inch cut; weight, 2 lbs. 14 oz.
Price, each..... **36c**

No. 11795. Blacksmiths' solid cast steel Hardie; size given is size of shank, which fits hole in anvil.

Size, inches.....	½	⅝	¾	⅞	1
Weight, lbs.....	½	¾	14 oz.	1¾	2
Price, each.....	15c	16c	28c	32c	38c

No. 11797. Blacksmiths' solid steel square Flatters.

Size of face, inches.....	2	2¼	2½	2¾	3
Weight, lbs.....	2⅜	2¾	3¾	4	5
Price, each.....	31c	40c	51c	58c	68c

No. 11798. Solid crucible steel Top Swages; weight from 2½ to 3 lbs.

Size, inches,	¼	5/16	⅜	7/16	½	⅝	¾
Weight, lbs.,	1½	1½	2	2	2	2	2¾
Price, each,	25c	25c	30c	30c	30c	30c	42c
Size, inches,	⅞	1	1⅛	1¼	1½	2	
Weight, lbs.,	2¾	2¾	3	3	4	4	
Price, each,	42c	42c	45c	45c	60c	60c	

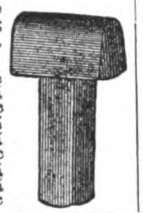
No. 11799. Solid crucible steel Bottom Swage; shanks are from ⅞ to 1¼ inches.

Size, inches....	¼	5/16	⅜
Weight, lbs.....	2¼	2¼	2¼
Price, each.....	34c	34c	34c
Size, inches....	7/16	½	⅝
Weight, lbs.....	2¼	2¼	2¼
Price, each.....	34c	34c	34c
Size, inches....	¾	⅞	1
Weight, lbs.....	2½	2¾	3
Price, each.....	38c	42c	45c
Size, inches....		1⅛	1¼
Weight, lbs.....		3	3¼
Price, each.....		45c	50c

No. 11800. Solid crucible steel Top Fuller.

Size, inches....	¼	⅜	½	⅝
Weight, lbs....	2	2	2¼	2¼
Price, each....	30c	30c	40c	40c
Size, inches....	¾	⅞	1	1⅛	1¼
Weight, lbs....	3	3	3¼	3¼	4¼
Price, each....	45c	45c	50c	50c	65c

No. 11802. Solid crucible steel Bottom Fuller; shanks are from ⅞ to 1¼ inches.



Size, inches	¼	⅜	½
Weight, lbs	2¼	2¼	2¼
Price, each	35c	35c	35c
Size, inches.....	⅝	¾	⅞
Weight, lbs.....	2½	2¾	2¾
Price, each.....	38c	42c	42c
Size, inches.....	1	1⅛	1¼
Weight, lbs.....	3¼	3¼	3¼
Price, each	50c	50c	50c

Horse Nails.

No. 11804. Horse Nails are put up in boxes of 25 lbs. We sell any quantity. Nos. 6 and 7 are most used.

No.....	5	6	7	8	9	10
Length, inches,	1⅞	2	2¼	2⅜	2½	2⅝
Per lb.....	$0.18	$0.17	$0.16	$0.15	$0.14	$0.11
Per box.....	4.25	4.05	3.75	3.50	3.25	2.60

Horse Shoes.

No. 11806. Horse Shoes, not ready to put on, as they must be fitted. A set consists of 2 front and 2 hind shoes.

No.....	1	2	3	4	5	6
Length from outside of front shoe, inches.....	5½	6	6½	6⅞	7¼	7⅝
Width from outside to outside of front shoe, inches.....	4½	4¾	5⅛	5⅜	6	6¾
Price per set, front and hind.....	$0.18	$0.20	$0.30	$0.35	$0.40	$0.50
Price per keg of 100 lbs., front and hind.....	3.75	3.75	3.75	3.75	3.75	3.75

Toe Calks.

No. 11807. Toe Calks, admitted to be the best in the market, made of Bessemer steel.

No.....	1	2	3	4	5	6
Number calks to lb.....	20	12	8	6	5	4

Price per pound, any size..... **6c**

OUR STOCK EMBRACES ALMOST EVERYTHING MADE IN MECHANICS' TOOLS, and the goods we offer are all of the highest standard of quality. We handle nothing in this line that is not made by manufacturers of established and well-known reputation. **EVERY ARTICLE IS FULLY GUARANTEED,** and if not found perfectly satisfactory, can be returned and your money will be refunded.

WE CAN SAVE YOU SO MUCH MONEY on these goods that you cannot afford to pay retail prices. Every **CARPENTER, BLACKSMITH** or other mechanic once buying from us ever after is a regular customer.

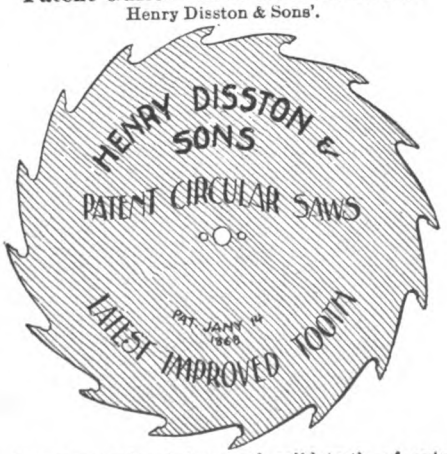
OUR TERMS ARE LIBERAL. Any goods in this line will be sent to any address by **FREIGHT OR EXPRESS** on receipt of a sufficient deposit to cover charges both ways, balance payable when received.

DISCOUNT OF 3 PER CENT. allowed if cash in full accompanies your order. **BE SURE TO CONSIDER THE CASH DISCOUNT** when comparing our prices with others.

Saws.

Patent Gullet-Tooth Circular Saws.

Henry Disston & Sons'.



Patent ground and tempered solid teeth, of extra quality, superior workmanship.

Order style wanted by number below.

Diameter, inch.	Thickness, gauge.	Size of hole, inch.	Price, each.
4	19	¾	$0.53
5	19	¾	.62
6	18	¾	.75
7	18	¾	.93
8	18	⅞	1.05
9	17	⅞	1.35
10	16	1	1.60
12	15	1	2.00
14	15	1⅛	2.35
16	15	1⅛	2.85
18	13	1¼	3.60
20	13	1 5/16	4.35
22	12	1 5/16	5.15
24	11	1⅜	6.15
26	11	1⅜	7.20
28	10	1½	8.25
30	10	1½	9.25
32	10	1⅝	11.00
34	9	1⅝	12.00
36	9	1⅝	13.25
38	9	1⅝	15.75
40	9	2	18.25
42	8	2	21.00
44	8	2	25.00
46	8	2	30.00
48	8	2	35.00
50	7	2	40.00
52	7	2	45.00
54	7	2	50.00
56	7	2	57.50
58	7	2	65.00
60	6	2	72.50
62	6	2	80.00
64	6	2	90.00
66	6	2	100.00

EVERY SEARS, ROEBUCK & CO. SAW

is warranted as follows:

If this Saw does not prove as good or better than any Saw you ever had return it and money will be refunded. **Why pay more than our prices?**

Be sure to read our special notice before making out your order for Circular Saws.

The above saws are standard gauge and size hole for each diameter. We can furnish saws with any size hole at same price. We can furnish saws of different gauge, for which an extra charge will be made. The standard saws can be shipped promptly; special saws are shipped soon as possible; but if other orders are ahead of yours it must take its turn. In writing us for price of special saws be very particular to give full description, and you will receive a prompt reply. We furnish blanks which will aid you in making specifications, which will be sent free on request.

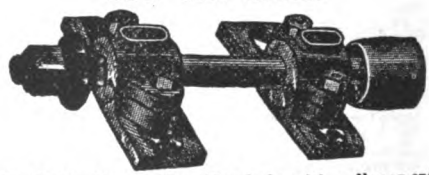
SPECIAL NOTICE.

No. 12000. Rip Saw, standard gauge and hole. If you want the standard Rip Saw, exactly as above list, order this number.

No. 12001. Cross Cut Saw, standard gauge and hole. If you want the standard Cross Cut Saw, exactly as above list, order this number.

No. 12002. Rip or Cross Cut Saws. If you want either Rip or Cross Cut Saws, different in any way from the standard list above, or with special number of teeth to the saw, order this number.

Saw Mandrels.



No. 12012. Circular Saw Mandrels, with pulley on end, of the latest and most improved pattern.

Diam. of Pulley, inches.	Face of Pulley, inches.	Diam. of Flange, inches.	Length of Shaft, inches.	Diam. of Shaft, inches.	Size of hole in Saw, inches.	Price of Mandrel C'mp'e.
2½	3½	2½	16	1 1/16	1	$ 5.26
3	4½	3	19	1 1/16	1⅛	5.81
3¼	4½	3½	20	1 3/16	1¼	6.15
4	5	4	24	1 7/16	1 5/16	7.36
4½	5½	4½	26	1 7/16	1 5/16	8.20
5	6	5	28	1 7/16	1⅜	9.41
5½	6½	5½	30½	1 7/16	1⅜	10.26
6	7	6	32½	1 11/16	1½	13.35
7	8	6	37	1 11/16	1⅝	16.10
8	8	6	41	1 11/16	1⅝	19.15

Our Mandrels are made with pulley on right hand side (when saw is running toward you), with left hand thread, unless otherwise ordered.

Do not expect us to fill your orders correctly unless you are careful to comply with the simple rules for ordering, as explained in the front part of book.

Digitized by Google

Cross Cut Saws.

Sears, Roebuck & Co. Saws are sold without dictation from any combination or trust at our usual small profit. Our guarantee is fair and complete, and without conditions that would make it practically worthless. Each and every Sears, Roebuck & Co. Saw is etched with our trade mark and this guarantee: **If this Saw does not prove as good or better than any Saw you ever had, return it and money will be refunded.** We have these Saws made for our trade by a manufacturer whose reputation for making first-class Saws is not excelled by any one anywhere. We have contracted for an immense quantity and are able to sell them to consumer for less than the average dealer can buy at wholesale. These Saws are all ground thin back with a true taper from edge of teeth to the back. You can't possibly buy better Saws. Why pay more?

No. 12015. Sears, Roebuck & Co., two-man, narrow Cross Cut Saws. **Warranted.** Champion tooth, complete with handles.
5½ foot. Weight, 5¼ lbs.....Price, each, **$0.92**
6 foot, Weight, 5¾ lbs.....Price, each, **1.00**

No. 12016. Sears, Roebuck & Co. regular width, Champion tooth, two-man Cross Cut Saws. **Warranted.** Complete with handles.

Length, feet.	Weight, lbs.	Price, each.	Length, feet.	Weight, lbs.	Price, each.
5	6	$1.65	6	8	$1.95
5½	7	1.83	6½	8¾	2.25

No. 12018. Sears, Roebuck & Co. one-man Cross Cut Saws. Champion tooth, supplementary handle. **Warranted.**

Length, feet.	Weight, lbs.	Price, each.	Length, feet.	Weight, lbs.	Price, each.
3	3½	$1.05	4	4¾	$1.40
3½	4	1.18	4½	5¾	1.53

Cross Cut Saw Handles.

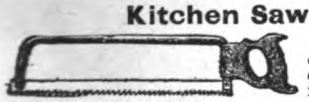
No. 12026. Patent Loop Cross Cut Saw Handles.
Per pair.....**12c**

No. 12027. Reversible Cross Cut Saw Handles.
Per pair.....**18c**

No. 12030. Handle for one-man Cross Cut Saw.
Each.....**18c**

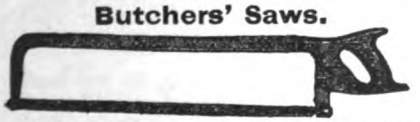
No. 12031. Supplementary handle for one-man Cross Cut Saw.
Each.....**8c**

Kitchen Saws.



No. 12036. Kitchen Saws, wood handle, oval frame, 12-inch blade. Every one who cuts meat should have one.
Price, each.....**22c**

Butchers' Saws.



No. 12037. Flat Frame Butcher Saw, wood handle, polished blade.

Size, inches	20	22	24
Each	75c	80c	85c

Butchers' Saw Blades.

No. 12039. Length, inches	20	22	24	26
Each	$0.30	$0.34	$0.36	$0.42
Per dozen	3.55	4.00	4.20	4.50

Buck Saws.

The frames of all our Buck Saws are made of hard maple, and are much better than those usually sold. Buck Saws weigh from 3 to 4 pounds each.

No. 12054. Plain Frame Wood Saw, blade 30 inches, not warranted, complete with loop saw rod.
Price, each.**40c**

No. 12055. Braced Frame Wood Saw, maple frame, painted red, best tinned rod, 30 inch blade. **Warranted.**
Price, each.....**55c**

No. 12056. Braced Frame Wood Saw, maple frame, painted red, best tinned rod, 30-inch blued blade. Warranted.
Price, each.....**60c**

No. 12062. Loop Buck Saw Rods, will span from 19 to 22 inches; weight, 10 oz. Price, each.....**5c**

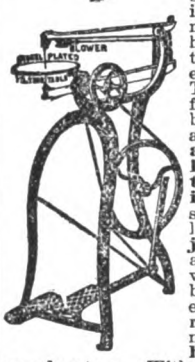
No. 12063. Best tinned Loop Saw Rods, span from 19 to 22 inches. Price, each.....**8c**

No. 12066. Buck saw Blades, same as used in No. 12055 bucksaw, each.....**38c**

No. 12067. Buck Saw Frames, same as used in No. 12055 bucksaw, each.....**25c**

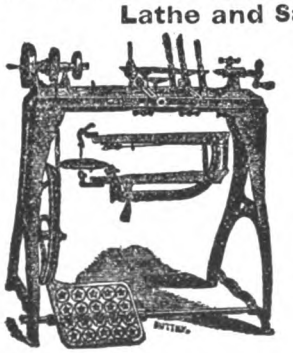
Foot Power Bracket Saw.

No. 12068. To meet the demand for a cheap and good foot power saw, we have had made an all iron machine which we offer for $2.25. For scroll sawing alone it is about as good as the higher price saws, and the finish is the same as our Rogers Saws. It has an iron tilting table, second growth ash arms, 18 inches long, improved clamps, etc. Weight of saw, 17 lbs.; weight when boxed, 35 lbs. Boxed for shipping without extra charge.
Price.....**$2.25**



No. 12069. **Bracket Saw.** Has a rubber dust blower, improved clamps for holding the saw blade and a roller inserted in the table back of the saw, which makes it run perfectly true. We have no hesitancy in declaring this to be the best cheap saw ever offered to the public. The entire frame work is made from iron, painted and japanned black, and ornamented with red and gilt stripes. **The arbors are made of steel, carefully gauged and fitted to their bearings. The bearings** to the arms are carefully sized to bring them in perfect line. **The stretcher rod is jointed,** which allows the upper arm to be thrown out of the way when adjusting work or saw. The balance wheel is 4½ inches in diameter, with iron spoke center and rim of solid emery. The attachment for drilling is on the **right hand** side of machine, which is an advantage. With each machine we give 12 saw blades, wrench, sheet of designs and 3 drill points. The saw alone weighs 25 lbs.; when boxed for shipment, about 42 lbs. Price.....**$3.30**

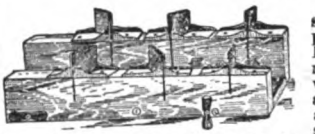
Lathe and Saw.



No. 12070. This lathe is provided with a long and short toolrest, five turning tools, wrench and drill points. Swing of lathe, five inches; length of bed, 24 inches; distance between center, 15½ inches. The large drive wheel has two grooves of varying depths on its face to give it a change of speed; the higher speed is 11 to 1; the lower, 7 to 1; the lathe head has a two inch face plate, a spur center, a screw center for turning cups and also a drill chuck to hold from 1-32 to ¼ inch round twist drills for drilling wood or iron. The lathe is thoroughly built and highly finished, the plain and polished parts being nickel plated. Price.....**$8.25**

No. 12071. Same lathe, with scroll saw attachments. Price.....**$10.00**

Mitre Boxes.



No. 12072. **Olmstead Improved Mitre Boxes.** In this mitre box the irons which guide saw are adjustable to any thickness of saw. When putting the saw into the slots have the teeth of saw below the irons.
Size A will saw molding 1½ in. x 3 in.....**$1.00**
Size B " " 2½ in. x 4 in.....**1.50**

The New Langdon Mitre Box, Improved.

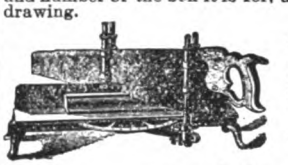
This is the best mitre box made, and has all the latest improvements. Ordinary New Langdon Mitre Box cuts from right angles to 45 degrees, inclusive. This box, by using the circular arms or guides, cuts from right angles to 75 degrees on 2¼ inch stuff, varying more or less with width of stuff. It is the only box adjustable for mitreing circular work in patterns and segments of various kinds.

No. 12073. The Langdon New Improved Mitre Box, with saw, 22x4, gives 6 inches width at right angles and 4 inches at mitre. Weight, 10½ lbs.
Price, each.....**$8.20**

No. 12074. The Langdon New Improved Mitre Box, with saw 24x4, gives 9½ inches at right angles and 6½ at mitre; weight, 11½ lbs.
Price, each, with saw.....**$10.35**

No. 12075. The Langdon New Improved Mitre Box, with saw, 28x5, gives 9½ inches width at right angles and 6½ inches at mitre; weight, 12½ lbs.
Price, each, with saw.....**$11.75**

Should any part get broken at any time we can furnish repairs cheaply. Parts are all interchangeable, so any one can repair them. When ordering part, state size and number of the box it is for, and, if possible, send a drawing.



No. 12076. The Stanley Improved Mitre Box, for use with either back or panel saw. Adjustable. Length, 20 inches. Price, without saw.....**$5.75**

Hand Saws.

No. 12078. This Saw is not intended for mechanics use, but for a household saw or for any one who has but little use for a saw. It is not warranted. Length given is length of blade. Handle is not included in measurements. Beech handle, three brass screws, filed and set.

Length, inches	12	14	16	18	22	26
Each	20c	22c	25c	27c	30c	35c

No. 12079. This Saw, as shown in cut, is a combination of hand saw, square, rule and straight edge. It is not warranted, but is as good or better than any combination saw made. Beech handle, three brass screws, ruled back, filed and set. Made one size only. Length, 26 inches. Price, each.....**50c**

No. 12080. While this Saw is not warranted, it is a fair grade Saw, and has given excellent satisfaction. Blade is cast steel, patent ground and tempered, walnut handle with steel plate on handle, three brass screws, filed and set.

Length, inches	18	22	26	Rip. 28
Price, each	45c	50c	55c	65c

Saw Handles.

No. 12081. Hand Saw Handle, common beechwood, with varnished edges. Weight, 10 oz. Each.....**7c**

Saw Handle Screws.

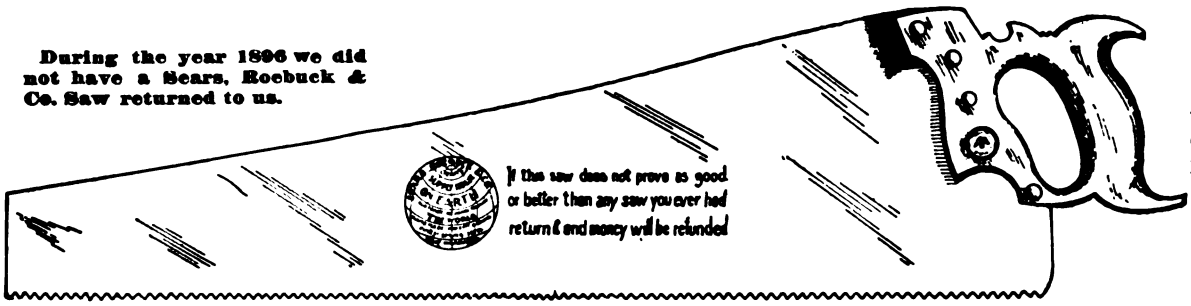
No. 12082. Brass.

No.	Each.	Per doz.
2	2c	17c
3	3c	22c
4	5c	25c
5	2c	20c

No. 3. No. 5. No. 2.

Digitized by Google

A STRICTLY GUARANTEED SAW. NO BETTER MADE.



No. 12065. This is the best Saw made. We have it made especially for our trade by a manufacturer whose reputation for making first-class goods is not excelled by any one anywhere. We contract for immense quantities, and are able to sell to consumer at less than retail dealers can buy at wholesale. Our selling price is not controlled by any combination or trust. We give our customers the same guarantee that we demanded and secured from the manufacturers, and that is the best, fairest, and most complete guarantee we could write. No other saw is sold with any such guarantee, free from all restrictions and conditions. On the blade of each Saw is etched our trade-mark and the following guarantee: If this Saw does not prove as good or better than any Saw you ever had, return it and money will be refunded. **You can't possibly buy a better Saw. Why pay more?** The blade is made from selected spring steel, patent ground and tempered, handle carved and polished, five improved screws, hand filed and set. Order No. 12065.

Length, inches	18	20	22	26	28 Rip.
Each	90c	$1.00	1.10	1.25	1.40

The 18, 20 and 22-inch Saws come 9, 10 and 12 points to the inch. The 26-inch Saws come 7, 8, 9, 10 and 12 points to the inch; 28-inch Rip Saws come 4, 4½, 5, 5½ and 6 points to the inch. If you don't state what is wanted we use our best judgment in filling order.

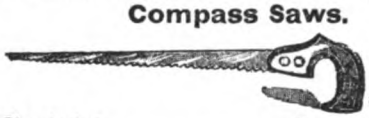
Read the Guarantee given on Sears, Roebuck & Co. Saws.

Back Saws

No. 12099. Sears, Roebuck & Co.'s Back Saw, apple handle, polished edges, blued back.

Size, inches	10	12	14	16
Each	80c	90c	$1.00	1.10

Compass Saws.



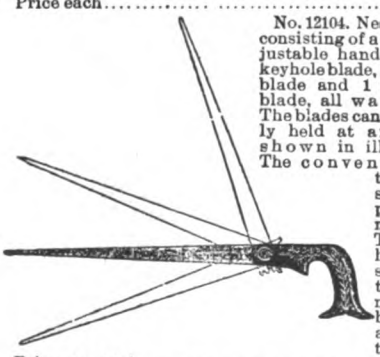
No. 12100. Compass Saw, cast steel.

Size, inches	10	12	14
Each	12c	15c	16c

Keyhole Saws.

No. 12101. Keyhole Saw, with iron pad. This is a cheap and convenient combination of a Keyhole Saw, Saw Pad and Screwdriver.
Each **12c**

No. 12102. Keyhole Saw Blades can be used in above Pad or in an ordinary file handle or chisel handle.
Price each **8c**



No. 12104. Nest of Saws, consisting of a patent adjustable handle, with 1 keyhole blade, 1 compass blade and 1 pruning blade, all warranted. The blades can be securely held at angles as shown in illustration. The convenience of this can be seen by any practical mechanic. The back of handle is so shaped that Saw may also be used for a bevel or try square.
Price, per nest **95c**

No. 12105. **Nest of Saws, not adjustable,** consisting of 1 handle, 1 keyhole blade, 1 compass blade, 1 table or pruning blade; all interchangeable in the handle.
Price complete **65c**

Extension Hack Saw Frame.

No. 12110. This tool is made of steel, highly finished and so constructed that it can be easily extended from 8 to 12 inches, and when saw is inserted in position it is as firm as a solid frame. Complete with one blade, as shown in cut.
Price each **78c**

Griffin's New Hack Saw Blades.

These are tempered by a new process by which a very high degree of temper is given to the toothed edge of the blade, diminishing in hardness to the back, which is of a low spring temper.

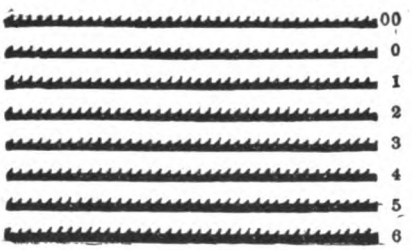
This process enables us to produce a blade which combines the best cutting and wearing quality with the least liability to breakage, and is stiffer, holds its shape better, and will not stretch when used in a machine.

No. 12112. Length, inches	6	7	8	9	10	12
Per doz	42c	45c	48c	55c	57c	65c

Hand Bracket Saw.

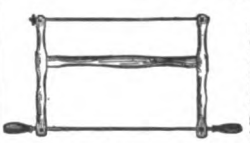
No. 12113. Bracket Saw, nickel plated, rosewood handle; frame, 5x12, with 50 designs, 6 saw blades, 1 awl, 1 sheet impression paper and directions, packed in pasteboard box. Weight, 1¼ lbs.
Price for outfit, each **90c**

Bracket Saw Blades.



No. 12114. Bracket Saw Blades, 5 inches long. Any number. We do not sell less than a dozen of any one size.
Nos. 0 to 6, per doz., **6c**; per gross **60c**
Nos. 7 and 8, per doz., **7c**; per gross **70c**
Nos. 9 and 10, per doz., **8c**; per gross **80c**
The above Blades also fit our No. 12068, 12069, 12070 and 12071 saws.

Turning Saw.



No. 12115. The frame is made of birch wood, with ebonized handles. There is an index on each handle to show the operator just how far to turn each. The friction is regulated by screws. It is quite superior to most other kinds in market.
Frame, with one blade, each **$0.87**
18-inch blades, each **15c**; per doz **1.75**

Felloe Web Saw Blades.

No. 12116. Felloe Web Saw Blades. In ordering state width wanted.

Length.	Width.	Each.	Per doz.
12	¼ to ⅜	12c	$1.25
14	¼ to ⅜	14c	1.42
16	¼ to ½	15c	1.55
18	¼ to ½	17c	1.85
20	¼ to ⅝	20c	2.05
22	¼ to ⅝	22c	2.25
24	¼ to ¾	25c	2.50

Saw Clamps.

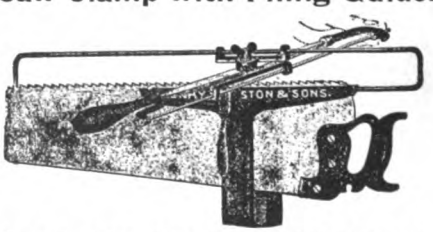
No. 12120. Saw Clamp; jaws are 9½ inches. To open clamp, throw the lever down; place saw between the jaws and bring the lever back, and saw is securely held for filing; nicely japanned; weight, about 3½ lbs.
Price each **32c**

No. 12124. Ball and socket adjustable Saw Clamp; is adjustable in every direction; length of jaw, 9½ inches; saw is secured by tightening thumb screw; nicely japanned. Weight about 10½ lbs.
Price each **65c**

No. 12125. Silent Saw Vise with **third jaw faced with rubber,** which is pressed against the blade of saw, preventing all noise of vibration; weight about 3¾ lbs.
Price each **88c**

No. 12126. Adjustable Saw Clamp, with malleable screw clamp to secure it to bench or table. This clamp holds saw in same manner as above and jaws are same length. The adjustable feature, which can be readily understood by looking at cut, makes this the most popular and best selling saw clamp in the market. Weight about 5 lbs.
Price each **48c**

Saw Clamp with Filing Guide.



No. 12127. Henry Disston & Sons' Saw Clamp and Guide. This enables any one to file a saw correctly, even if they are not skilled in the art of saw filing. Full directions for use accompany each outfit. The clamp is not shown in full in the illustration. It is very similar to No. 12120 clamp, with the addition of the guide. Ordinary files can be used.
Price for Clamp-Filing Guide, file and handle, all complete in wooden box **$1.75**

Saw Sets.

No. 12132. Lever Saw Sets with wood handle. The depth of set on tooth and amount of set can be regulated by means of gauges on the set. Weight about 7 oz.
Price each **9c**

When you need some Hardware, order enough Groceries to make up a freight order and you will cut down the cost of transportation to a minimum.

Digitized by Google

The Old Reliable Morrell's Saw Set.

If this Saw Set is used intelligently it will be impossible to break a tooth out of a saw while setting it. No prying required. Simply shutting the handles sets the tooth. The point of tooth when in position on anvil can be seen by the operator. We have the following sizes:

No. 12133. Morrell's Perfect Saw Set No. 1, for setting hand, band, panel, buck and meat saws.
Each.....**60c**

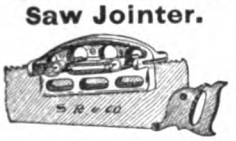
No. 12134. No. 3, for common tooth circular and cross cut saws from 20 to 14 gauge. Weight, 1 lb. 6 oz.
Price, each.....**$1.00**

No. 12135. No. 4, for Champion or M tooth cross cut saws from 22 to 14 gauge. Weight, 1½ lbs.
Price, each.....**$1.12**

No. 12136. Hammer Saw Set, Aiken's genuine cast steel. So well known, a description is not necessary.
Price, each.....**50c**

No. 12137. Henry Disston & Sons' Star Saw Set for hand, band, back, web, buck, meat and small circular saws not thicker than 18 gauge. Prominent among the advantages of this set is that **it can be operated** by the foot by means of a treadle, thus leaving both hands free to guide the saw. Or it can be used by striking on the top with a light mallet. **We do not furnish the treadle**, but any one can easily rig one.
Price, each.....**75c**

The Practical Saw Jointer.



No. 12142. It is simple and effective. A very useful tool for carpenters, cabinetmakers, patternmakers, carriagemakers, and in fact for all using, making and repairing saws, as it makes a great saving in time and insures accuracy in jointing the teeth to an equal length. It is used on the saw as shown in the cut, and the file in the slot is adjustable, so that the full width of the file may be utilized on one side, then the file reversed and used in the same way until it is all worn out. Its good qualities will be appreciated by those having gone on so long in the old way, by the saving of the wear and tear on the fingers, and the ease and facility with which it can be used. No mechanic's kit is complete without one.
Price.....**30c**

FILES.

We will carry in stock this season a brand of files which our buyer considers as good as it's possible to make. Having had an experience of twenty years, his opinion is certainly worthy of consideration. **We do not handle seconds.** The manufacturer requests us not to print the maker's name this year, as we are selling to any one at his regular wholesale price to dealers. The maker's name is on each package, and each file has the manufacturer's brand on it. They are goods of acknowledged excellence and the favorite with many of the largest file users in the country. The **"Tang,"** or part which goes in the handle, is not included in size of files.

Taper Files.

No. 12165. Taper Files.

Size, inches.	Weight, oz.	Each.	Per doz.
3	2	4c	$0.33
3½	2	4c	.34
4	3	5c	.36
4½	3	5c	.42
5	4	6c	.51
5½	4	7c	.60
6	4	8c	.72
7	4	10c	.90
8	6	12c	1.14

Slim Taper Files.

No. 12166. Slim Taper Files.

Size, inches.	Weight, oz.	Each.	Per doz.
3	2	4c	35c
3½	2	4c	36c
4	3	5c	39c
4½	3	5c	44c
5	4	6c	51c
5½	4	6c	57c
6	4	7c	63c
7	4	8c	75c
8	6	10c	90c

Double Enders.

No. 12167. Double End Files. Very popular with all mechanics. Price includes handle. Length given is whole length of file.

Size, inches	7	8	9	10
Weight, each, oz	2	2	3	4
Each	8c	9c	10c	12c
Per dozen	72c	80c	91c	$1.10

Mill Files.

No. 12168. Mill Files.

Size, inches.	Weight, oz.	Each.	Per doz.
6	6	7c	$0.68
8	7	10c	.87
10	10	12c	1.20
12	16	17c	1.62
14	31	22c	2.34

Flat Bastard Files.

No. 12169. Flat Bastard Files. Same shape as mill files, but with coarse cut. Will cut away faster than mill files, but are not suitable for saws. Sometimes called a plow file. Also, sometimes used to file wood, as they give a smoother finish than the regular wood rasp.

Size, inches.	Weight, oz.	Each.	Per doz.
4	2	7c	$0.60
5	4	7c	.66
6	4	8c	.75
8	7	11c	1.02
10	12	15c	1.41
12	20	21c	2.00
14	29	30c	2.85

Half Round Files.

No. 12170. Half Round Bastard File. One side is same as Flat Bastard. The other side is half round. Used for same purposes as Flat Bastard Files.

Size, inches.	Weight, oz.	Each.	Per doz.
6	4	10c	$0.96
8	8	14c	1.29
10	11	19c	1.74
12	18	25c	2.34

Round Files.

No. 12172. Round Bastard Files. Sometimes called Rat Tail Files.

Size, inches.	Weight, oz.	Each.	Per doz.
4	2	6c	$0.54
5	4	7c	.60
6	5	7c	.68
8	6	10c	.87
10	8	12c	1.20
12	12	17c	1.62

Wood Rasps.

No. 12174. Wood Rasps. Flat on one side, half round on the other. With tang.

Size, inches	10	12	14
Weight, oz	11	18	28
Each	$0.25	$0.32	$0.45
Per dozen	2.50	3.50	4.82

Cabinet Rasps.

No. 12175. Cabinet Rasp. Same as above, only not as coarse cut. Leaves the work much smoother than the regular wood rasp. With tang.

Size, inches	10	12
Each	$0.30	$0.40
Per dozen	3.36	4.50

Horse Rasps.

No. 12176. Horse Rasps. We have sold a great many Horse Rasps of this brand. Our trade is increasing and we are getting orders again and again from same parties. Order a sample, give it a trial, and see if it's not just as good or better than those for which you must pay more.

Size, inches	12	14	16
Each	$0.24	$0.32	$0.44
Per dozen	2.57	3.64	5.00

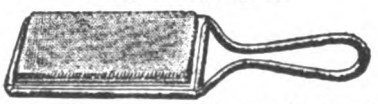
No. 12177. Heller's Horse Rasps. Flat; **not tanged.**

Size, inches	12	14	16
Each	$0.28	$0.40	$0.56
Per dozen	3.29	4.64	6.47

File Handles.

No. 12179. File Handles, with brass ferrule, assorted sizes, suitable for files quoted above. When ordering state if wanted large, medium or small. Weight, 2 oz.
Each, **2c**; per dozen.....**20c**

File Cleaners.



No. 12181. File Brush or Cleaner. Steel back and frame, and steel wire brush. The most durable and nicest finish file brush in the market. Each.....**14c**

Our Furniture Department merits attention. Mammoth Special Catalogue free.

EMERY GOODS.

We are headquarters for everything in this line. We handle only the highest grade goods made, and on this class of goods we have no competition. **We can save you 25 per cent.** or more on emery goods, and only one order will convince you.

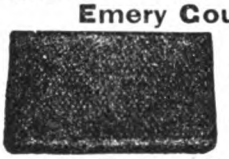
Emery Oil Stones.

These stones are destined to supersede all other stones used with oil. The lightning rapidity with which they sharpen a tool, without taking the temper from the steel, is marvelous. A keen edge may be obtained in half the time required by the use of the quarried stone. They are made with a coarse and fine side, thus combining two stones in one, the coarse side to be used for taking out nicks and for rapid cutting; the fine side for putting on a fine, keen edge. Their phenomenal sale attests their merits and growing popularity.

No. 12183.

Size.	Price each.	Size.	Price each.
8x2x1	**42c**	7x2½x¾	**40c**
7x2x1	**38c**	6x2x¾	**30c**
4x1½x½	**20c**		

Emery Couge Slips.



No. 12184. Emery Gouge Slips are 4 inches long, 2¼ inches wide, ½ inch thick on one edge and ⅛ inch thick on the other.
Price each.....**20c**

Emery Ax Stones.

No. 12185. Emery Ax Stone is of a convenient size to carry in the pocket. Don't chop wood with a dull ax. It is surprising to see how quickly one of these stones will take out a small nick in the edge of an ax. Made in 2 sizes.
2½x2½x¾, Price each.....**20c**
2x2x⅝, Price each.....**15c**

Emery Scythe Stones.

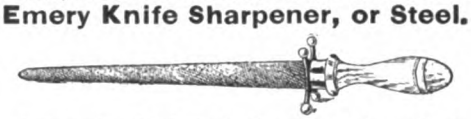
No. 12186. Emery Scythe Stones are having a phenomenal sale and some of our customers are ordering them by the dozens to sell to their neighbors. They will put the right kind of an edge on a scythe and do it quickly. Made in two sizes, oval shape.
12x1⅛x½ inches. Price each, **25c**; per doz.....**$2.50**
9x1⅛x½ inches. Price each, **20c**; per doz.....**2.10**

Emery Razor Hone.

No. 12188. **Emery Razor Hone** is far superior to natural stone and at the same time much lower in price; size, 6x2x½ inches. Price, each.....**75c**

No. 12189. **Emery Pocket Hone**, coarse on one side, for sharpening lead pencils, taking nicks out of knife blades, and quick sharpening; the other side fine to put a razor edge on pocket knives, etc.; is furnished with a handsome leather case, convenient size to carry in vest pocket; weight, packed for the mail, 3 oz.
Price, each.....**25c**

Emery Knife Sharpener, or Steel.



A new and useful device for imparting a keen edge to the dullest knife or scissors in half the time required by other means.

This knife sharpener is composed of a solid shaft of emery, firmly secured to a handsomely finished handle by means of a steel rod extending its entire length, making it strong and durable.

It is one of the most popular household articles we have and every kitchen should have one in it. Although our price is low, we guarantee it to be exactly as represented and of the best quality it's possible to make. It's not a wood stick covered with sand and glue, although that kind is usually sold at this price. Made in two sizes with nickel plated shield and hardwood handle with nickelplated ferrule.

No. 12190. **Emery Knife Sharpener**, emery 8 inches long, whole length (including handle), 12 inches; weight, 6 oz. Price, each.....**10c**
Per dozen.....**$1.08**

No. 12191. **Emery Knife Sharpener**, emery 10 inches long, whole length (including handle), 14 inches; weight, 8 oz. Price, each.....**15c**
Per dozen.....**$1.50**

Digitized by Google

EMERY WHEELS.

The Acme Emery Wheel is made especially for our trade by manufacturers who have established a most enviable reputation for making high grade satisfactory wheels. The wheels made for us are exactly the same grade in every respect as those which they have made for years and on which they have built up their business and reputation. The only way they differ is in the label. Our label instead of theirs don't detract a particle from the value of the wheels, but it makes the price lower. The manufacturers sell this wheel to the consumer at nearly twice the price we charge and would not furnish us with goods with their labels to sell at our prices. But they will take off their labels and put on our label and they think we couldn't give them away to their customers. Perhaps they are right. But if any user of emery wheels will give our wheels a trial we believe he will recognize their merit and give us all his future trade.

Directions for Ordering.

Always state Diameter, Thickness, **Size of Arbor Hole** and shape of face, the kind of material to be ground, whether surface or edge grinding and fine or coarse work is required; whether the work is light or heavy; speed at which wheel is to run.

Directions for Using.

Acme Emery Wheels will do the best work when run at a surface speed of one mile a minute, but for hardened tool grinding a slower speed is advisable. Before putting a wheel on the mandrel tap it lightly with a hammer to ascertain that it is sound. If it rings it has not suffered from ill usage, and may be safely put to use.

All our wheels are thoroughly tested at a very much higher strain than that to which they are subjected in use and all are packed carefully. In transportation they may be broken, hence the necessity of testing immediately before running them.

Always use iron flanges on both sides of the wheel. The flanges ought to be about one-third of the diameter of the wheel or larger. Rubber or leather washers should be used, especially with thin wheels.

All emery machines should be provided with rests on which the article to be ground is held.

Wheels should run toward the operator, with the rests close to the face of the wheel. Very often wheels are broken by castings being caught between the wheels and rests by getting out of the workman's hands.

Price List of Emery Wheels.

No. 12196. Flat Face Emery Wheels.
No. 12197. Bevel Face Emery Wheels.
No. 12198. Round Face Emery Wheels.
Give diameter, thickness and size of hole.

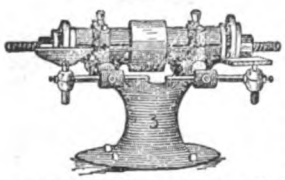
Diameter of Wheel.	THICKNESS.											
	¼	⅜	½	⅝	¾	1	1¼	1½	1¾	2	2¼	2½
2	$0.11	$0.14	$0.15	$0.16	$0.17	$0.18	$ 0.19	$ 0.20	$ 0.21	$ 0.22	$ 0.23	$ 0.24
2½	.12	.17	.20	.21	.22	.23	.24	.27	.30	.32	.35	.37
3	.15	.20	.24	.25	.26	.27	.28	.29	.40	.43	.47	.50
3½	.18	.24	.29	.30	.31	.32	.33	.35	.50	.55	.60	.65
4	.23	.25	.30	.32	.35	.40	.47	.53	.60	.65	.72	.78
4½	.27	.28	.32	.35	.40	.47	.55	.62	.70	.77	.85	.92
5	.30	.31	.35	.40	.45	.55	.65	.75	.85	.95	1.05	1.15
6	.42	.43	.45	.53	.60	.77	.93	1.10	1.25	1.42	1.58	1.75
7	.47	.50	.55	.65	.75	.97	1.18	1.40	1.60	1.82	2.03	2.25
8	.53	.60	.65	.78	.90	1.15	1.40	1.65	1.90	2.15	2.40	2.65
9	.63	.70	.78	.93	1.07	1.35	1.65	1.93	2.22	2.50	2.79	3.08
10	.75	.85	.92	1.10	1.25	1.60	1.93	2.27	2.60	2.94	3.28	3.62
12	.90	.95	1.00	1.25	1.50	1.85	2.25	2.68	3.19	3.50	3.93	4.35
14	1.02	1.29	1.57	1.83	2.12	2.65	3.22	3.77	4.32	4.87	5.42	5.97
16					2.72	3.43	4.14	4.85	5.57	6.25	6.98	7.70
18					3.32	4.25	5.19	6.13	7.07	8.00	8.94	9.88
20						5.07	6.19	7.32	8.44	9.57	10.69	11.82
22						6.25	7.75	9.25	10.75	12.25	13.75	15.25
24						7.25	9.00	10.75	12.50	14.25	16.00	17.75
26							10.75	12.75	14.75	16.75	18.75	20.75
30								15.25	18.00	20.75	23.50	26.25
36								23.75	27.63	31.50	35.38	39.25

Don't forget to give size of hole, diameter and thickness.

Emery Wheel Stands.

No. 12199. Emery Wheel Stand, for power. Will run two 6-inch emery wheels, 1 inch thick, has ¾ inch steel spindle, ½ inch between flanges, pulley 2 inches in diameter, 1⅝ inch face. Weight, 9 lbs. Price, each.....**$3.95**

Price does not include wheels.



No. 12200. Emery Wheel Stand, for power, will run two wheels 10 inches in diameter and 1½ inches thick, has steel spindle 1 inch in diameter in bearings, ¾ inch between flanges. The bearings are 2 inches long and adjustable, mounted with brass oil cups. Pulleys 2¼ inches diameter, 1¾ inch face. Two adjustable knuckle joint rests, as shown in cut. Weight, 25 lbs. Price.....**$8.00**

No. 12201. Emery Wheel Stand. Will run two wheels 12 inches in diameter and 2 inches thick, has steel spindles 18 inches long and 1 inch diameter in bearings, ¾ inch between flanges. The bearings are 3 inches long and same style as engine lathe bearings, mounted with brass oil cups. Pulleys 3½ inches diameter, 2¼ inch face. Exactly like cut of No. 12200 only larger. Weight, 40 lbs. Price.....**$12.00**

No. 12202. Emery Wheel Stand. Will run two wheels 16 inches in diameter and 2½ inches thick; has steel spindles 1 3-16 inch diameter in bearings, 1 inch between flanges. The bearings are 4 inches long and same style as engine lathe bearings, mounted with brass oil cups. Pulley 3¾ inches diameter, 2½ inch face.

These stands are provided with two rests which are knuckle jointed, and can be set at any desired angle, as shown in cut of 12200; weight, 65 lbs. Price....**$16.00**

Notice.—An important feature of all these stands, establishing their superiority over all others, is the bearing protectors, which not only keeps the emery dust from off the journals, but also the oil from penetrating the emery wheels, which when saturated with oil, become worthless, a notable defect in other emery wheel stands which has hitherto not been overcome.

Emery Wheel Dresser.

No. 12203. The Emery Wheel Dresser is a very simple device for sharpening, trueing, or dressing an emery wheel on its arbor at full speed. It leaves the wheel clean and sharp and in the best possible condition for cutting. An emery wheel is a cutting tool composed of innumerable sharp grains of emery, which become dull by use. To sharpen the wheel these grains must be brought to the surface, and this dresser is the best tool in the market for the purpose. Price, each with 2 sets of cutters.....**95c**
Extra cutters, each.....**20c**

Levels.

No. 12220. Cherry stained Level **without plumb. Not adjustable.** Length, 12 inches. Price, each.....**20c**

No. 12221. Plumb and Level. Arch top plate. Two side views. Polished. Not adjustable. Lengths, 24, 26, 28 or 30 inch. Weight, 3½ lbs. Price, each.....**38c**

No. 12224. Improved adjustable Plumb and Level. Polished mahogany arch top plate. Two side views. Lengths, 26, 28 or 30 inch. Weight, 3½ lbs. Price, each.....**50c**

No. 12225. Improved adjustable Plumb and Level made from three pieces, glued together so it cannot warp or spring. Arch top plate. Two ornamental brass lipped side views. Finely polished and tipped. Lengths, 26, 28 or 30 inch. Weight, 3½ lbs. Price, each.....**80c**

No. 12227. Stanley Hand-y Plumb and Level. Arch top plate. Two side views. Polished and tipped. Lengths, 26, 28 or 30 inch. Weight, 3½ lbs. Price, each.....**71c**

The shallow grooves on each side of the level afford an excellent grip on the tool. This will be especially appreciated for house framing, bridge building and general outside work.

No. 12230. Glasses for Plumbs and Levels. Lengths, 1½ to 4 inches. In ordering state length wanted. Price, each.....**5c**

No. 12234. Machinists' adjustable iron Plumb and Level and Inclinometer.

Length, inches,	6	12	18
Price, each.....	$1.90	2.15	2.55

No. 12236. Adjustable Double Plumb and Level for carpenters' and machinists' use. Made of gray iron with steel bars extending through each column.

Size, inches,	6	12	18	24
Price, each.....	$1.15	1.35	1.45	1.88

No. 12250. Pocket Level, which can also be quickly attached to the edge of a steel square or a straight edge. Body is japanned. iron, brass top plate. Weight, 6 oz. Price, each, **7c.**

No. 12251. Brass Pocket Level. Same as above only **all brass.**
Price, each.....**20c**

No. 12252. Bit and Square Level, can be attached to either a steel Square or auger bit as shown in illustration. On a bit it serves as a guide to bore accurately at either plumb level or at an angle of 45 degrees. Has brass frame. Weight, 4 oz.
Price, each.....**21c**

Stanley's Improved Level Sights.

No. 12254. Stanley's Improved Level Sights, when adjusted to an ordinary carpenters' level, afford a convenient and accurate means for leveling from one given point to another at a distance away. The price given below is for sights only. Level is not included.
Price, per pair.....**43c**

Plumb Bobs.

No. 12256. Japanned Iron Plumb Bob. Weight, 9 oz. Price, each..**5c**
No. 12258. Brass Plumb Bob with hardened steel point. Weight 6 oz. Price, each.....**20c**

Adjustable Plumb Bobs.

No. 12258. By dropping the Bob with a slight jerk while the ring is held in the hand any desired length of line may be reeled off, a spring which has its bearing on the reel will check and hold the Bob firmly at any point on the line. A suitable length of line comes reeled on each Bob.

No. 12262. Adjustable Plumb Bob, as described above, made of bronze metal with hardened cast steel point, No. 1 or small size. Price, each.....**$1.00**

No. 12263. Same as above, No. 2 or large size. Price, each.....**$1.20**

No. 12264. Adjustable Plumb Bob, described as above, made of iron with steel point, large size. Price, each.....**75c**

... When you want ...

GUNS, REVOLVERS, AMMUNITION, or SPORTING GOODS

of any kind,

Refer to our Catalogue, and you will find just what you want, at prices you can afford.

Digitized by Google

Carpenters' Squares.

No. 12270. Iron Square. Body is 24 inches long, 1½ inches wide. Tongue is 12 inches long, 1 inch wide, spaced in 8ths on both sides. Not warranted. Price, each.....**20c**

No. 12271. Iron Square. Body is 24 inches long, 2 inches wide. Tongue, 12 inches long, 1½ inches wide, spaced in 8ths on both sides. Not warranted. Price, each **25c**

Steel Squares.

Both body and tongue are **tapered**, the ends being thinner. This gives strength where it is needed, and makes square lighter than it would otherwise be. We guarantee these squares to be equal to any made, and exactly as represented.

No. 12272. Steel Square, No. 7, extra quality, 2 inches wide, marked on both sides, spaced ⅛, ¼ and 1 inch. Essex new board measure, giving feet and inches in full. Size of body, 24x2 inches; size of tongue, 16x1½ inches. The face is marked ⅛-¼; back is marked ¼-1-1¼-1¼. Price, each.....**40c**

No. 12273. Steel Square, No. 3, extra quality; size of body, 24x2 inches; size of tongue, 16x1½. Marked on face, $\frac{1}{16}$-$\frac{1}{8}$-$\frac{1}{16}$; marked on back, $\frac{1}{12}$-$\frac{1}{4}$-$\frac{1}{12}$-$\frac{1}{4}$; with brace measure and Essex new board measure, giving feet and inches in full. Price, each.....**45c**

No. 12274. Steel Square, No. 03, same description as 12273, nickel plated. Price, each **60c**

No. 12275. Steel Square, No. 112, nickel plated; size of body, 12x1½ inches; size of tongue, 8x1 inch; marked on face, $\frac{1}{16}$-$\frac{1}{8}$-$\frac{1}{16}$-$\frac{1}{8}$; marked on back, $\frac{1}{12}$-$\frac{1}{4}$-$\frac{1}{12}$-$\frac{1}{4}$. This square will be found very convenient, as it may be put in an ordinary tool chest. Price, each.....**50c**

No. 12276. Steel Square, No. 14; size of body, 24x2 inches; size of tongue, 16x1½; with brace measure and Essex board measure; marked on face, ⅛-¼-⅛-¼; marked on back, ¼-1-¼-¼, giving feet and inches in full. Price, each **40c**

No. 12277. Steel Square, No. 100, extra quality. Body 24x2 inches; tongue, 16x1½; brace measure, 8 square and Essex's board; measure giving feet and inches in full marked on face, $\frac{1}{16}$-$\frac{1}{8}$-$\frac{1}{16}$-$\frac{1}{8}$; marked on back, $\frac{1}{12}$ and $\frac{1}{16}$-$\frac{1}{12}$-$\frac{1}{16}$. Price, each.....**75c**

No. 12278. Same Square as No. 12277, only nickel plated. Price, each.....**90c**

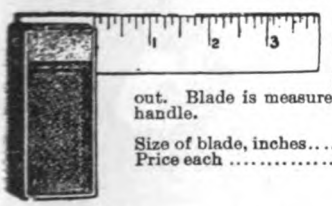
No. 12279. Steel Square, calculated for making a tenon or mortise. The tongue of the square has notches in the edge which hold an awl or pencil from slipping; a very convenient tool for mechanics' use, spaced the same as No. 12273; not plated. Each.....**$1.00**

No. 12280. Same as No. 12279; nickel plated. Price, each.....**$1.15**

Try Squares.

No. 12294. Try Square. Brass lined, rosewood handle, graduated steel blade, square inside or out. Blade is measured from inside of handle.

Size blade, inches.....	4½	6	7½
Price each	10c	13c	17c

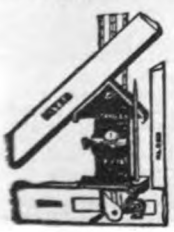


No. 12295. Try Square. Iron handle, graduated steel blade, square inside and out. Blade is measured from inside of handle.

Size of blade, inches.....	4	6	8
Price each	15c	17c	20c

No. 12296. Combined Try and Mitre Square. Brass lined, rosewood handle, graduated steel blade, square inside and out. Blade is measured from outside of handle.

Size of blade, inches.....	6	7½	9
Price each	19c	22c	25c



No. 12302. Combination Attachment. When this is attached to an ordinary carpenters' rule, it may be used for a try square, mitre square, T square, inside square, beam compass, spirit level and plumb mortise gauge, marking gauge, depth gauge or scratch awl. Weight, 10 oz. Price, with 12-inch graduated ruler.....**50c**

Bevels.

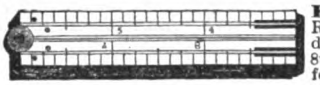
No. 12310. Sliding T Bevel, rosewood handle, brass tipped, flush adjusting screw steel blade, can be used right or left hand, either side up, which is a great convenience. Weight, 7 to 10 oz.

Length, inches	6	8	10
Price	15c	16c	18c

No. 12311. Eureka Sliding T Bevel, iron handle, steel blade. Blade can be secured at any angle by turning thumb screw at the end of handle. This bevel is the same on both sides. No screws or depressions to bother in use.

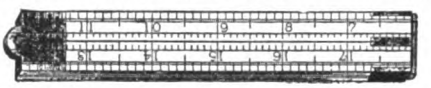
Length, inches.....	6	8	10
Price each.....	27c	29c	35c

Carpenters' Boxwood Rules.



No. 12315. **One Foot Rule.** Round joint, middle plates, spaced 8ths and 16ths, four fold, ⅝ inch wide; weight, 3 oz. Price, each, **4c**; per doz.....**40c**

No. 12316. **Two Foot Rule.** Round joint, middle plates, spaced 8ths and 16ths, four fold, 1 inch wide, weight, 5 oz. Price, each, **5c**; per doz.....**55c**

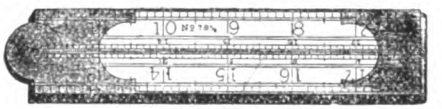


No. 12317. **One Foot Rule.** Square joints, middle plates, spaced 8ths and 16ths, four fold, ⅝ inch wide, weight, 4 oz. Price, each, **5c**; per doz.....**54c**

No. 12318. Two Foot Rule. Square joints, edge plates, spaced 8ths, 10ths, 12ths and 16ths, with drafting scale, four fold, 1 inch wide; weight, 6 oz. Price, each, **10c**; per doz.....**$1.08**

No. 12319. Two Foot Rule. Square joints, edge plates, spaced 8ths, 10ths and 16ths, and drafting scale, four fold, 1⅜ inches wide; weight, 6 oz. Price, each, **12c**; per doz.....**$1.32**

No. 12320. Two Foot Rule. Square joints, **full brass bound**, spaced 8ths, 10ths, 12th and 16ths, and drafting scale, four fold, 1 inch wide. Price, each, **24c**; per doz.....**$2.64**



No. 12324. One Foot Rule. Arch joints, edge plates, spaced 8ths and 16ths, four fold, ⅝ inch wide. Price, each.....**8c**

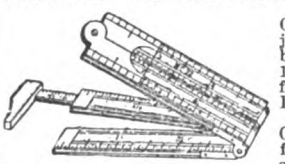
No. 12325. One Foot Rule. Arch joints, full brass bound, spaced 8ths and 16ths, four fold, ⅝ inch wide. Price, each.....**16c**

No. 12326. Two Foot Rule. Arch joints, outside edges brass bound, spaced 8ths, 10ths, 12ths and 16ths, and drafting scale, four fold, 1 inch wide. Price, each.....**18c**

No. 12327. Two Foot Rule. Arch joint, full brass bound, spaced 8ths, 10ths, 12ths, 16ths, and drafting scale, four fold, 1 inch wide. Price, each.....**22c**

No. 12328. Two Foot Rule. Arch joint, full brass bound, spaced 8ths, 10ths, 16ths, and drafting scale, four fold, 1⅜ inches wide. Price, each.....**27c**

No. 12329. Two Foot Rule. Double arch joints, full brass bound, spaced 8ths, 10ths, 12ths and 16ths, drafting scale four fold, 1⅜ inches wide. **The best boxwood rule made.** Price each **32c**



No. 12336. One Foot Caliper Rule. Arch joints, full brass bound, spaced 8ths, 10ths, 12ths and 16ths, four fold, width, 1 inch. Price, each.....**27c**

No. 12337. Six Inch Caliper Rule. Two fold square joints, spaced 8ths, 10ths, 12ths and 16ths, width, ⅞ inch. Price, each.....**10c**

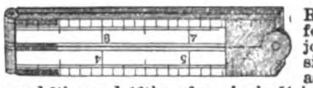
Architects' Rules with Beveled Edges.

No. 12342. Two Foot Architects' Rule. Arch joint, edge plates, spaced 8ths, 10ths, 12ths and 16ths with inside beveled edges and architects' drafting scale, four fold, 1 inch wide. Price, each.....**20c**

Slide Rule.

No. 12344. The old standard Slide Rule, two foot, two fold, arch joints bitted. Gunter's slide spaced 8ths, 10ths and 16ths inch, 100th of a foot drafting and octagonal scale, 1½ inches wide. Price, each.....**25c**

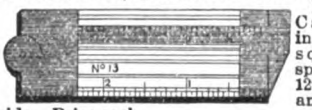
Ivory Rules.



No. 12345. Ivory Rule, 1 foot, four fold, square joints, German silver edge plates as shown in cut, spaced 8ths and 16ths of an inch, ⅝ inch wide. Price each.....**75c.**

No. 12346. Ivory Rule, 1 foot, four fold, round joints, middle plates, spaced 8ths and 16ths of an inch, ⅝ inch wide. Price each.....**50c.**

No. 12347. Ivory Rule, 1 foot, four fold, square joints, German silver edge plates, spaced 8ths, 10ths, 12ths and 16ths of an inch, ¾ inch wide. Price each.....**$1.00**



No. 12348. Ivory Caliper Rule, 6 inch, two fold, square joints, spaced 8ths, 10ths, 12ths and 16ths of an inch, ⅞ inch wide. Price each **67c**

No. 12349. Ivory Caliper Rule, 6 inch, two fold, square joints, German silver bound, spaced 8ths and 16ths of an inch, ⅞ inch wide. Price each.....**$1.10**

No. 12349½. Ivory Caliper Rule, 1 foot, four fold, square joints, German silver bound, spaced 8ths and 16ths of an inch, ⅝ inch wide. Price each.....**$1.95**

Log Rules.

These Rules are made of the finest second growth hickory, the butt or first cut only being used. They are rived out and shaved down by hand, and no cross-grained stocks are used. The figures are burned on the wood. No amount of use in rain or snow will efface them.

No. 12350. Scribner's Log Rule Solid Hook, figured to 48 inches, handle 8 inches. Price each.....**$1.15**

No. 12351. Doyle's Log Rule, same as above. Price each **$1.15**

Board Rules.

No. 12354. Inspectors' Board Rule, three tier, 3½ feet, extra heavy brazed heads (steel caps and brass shoulder). Price each.....**$1.15**

No. 12355. Inspectors' Board Rule, three tier, 3 feet, extra heavy brazed head. Price each.....**$1.00**

No. 12356. Octagon Walking Cane Board Rule, 3 feet, eight lines, Doyle scale only, brass head and end. Price each.....**70c**

Measuring Tapes.

Brass bound case, folding handle with ½ inch oiled cotton tape. This is a good low priced tape for family use. Millwrights, surveyors and others who use line much should buy a higher priced one.

No. 12363. To measure 25 feet. Price, each **20c**
No. 12364. To measure 50 feet. Price, each **25c**
No. 12365. To measure 100 feet. Price, each **45c**

Chesterman's Tape Line.

This Tape Line is well known as a durable, reliable, accurate and strong tape line. Wire is woven in with the linen, which prevents stretching. Has a heavy red leather case, folding handle, spaced in 12ths.

No. 12369. To measure 50 feet. Price, each....**$1.95**
No. 12370. To measure 66 feet. Price, each.... **2.25**
No. 12371. To measure 100 feet. Price, each.... **3.15**

Steel Tape Lines.

No. 12374. Steel Tape Line, nickel plated, brass case, flush handle, flexible steel tape ⅜ inch wide.

To measure 50 feet. Price, each.....**$3.00**
To measure 75 feet. Price, each..... **5.00**
To measure 100 feet. Price, each..... **6.40**

Pocket Tape Measures.

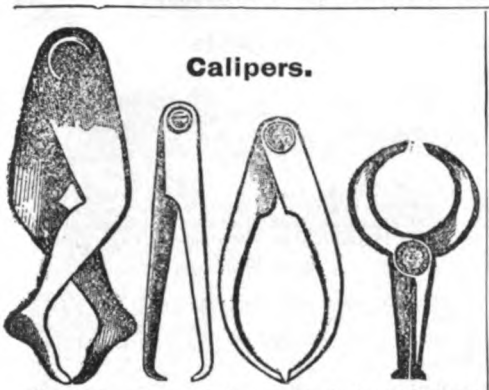
No. 12375. Pocket Tape nickel plated case; patent spring with stop, ¼ inch linen tape.

To measure 3 feet. Price, each.....**35c**
To measure 5 feet. Price, each **40c**

When you build your House, we can save you enough on the **Hardware, Sash, Doors, Blinds, Building Paper, Paint, Etc., . .** to pay part of the carpenter's bill.

Digitized by Google

Calipers.



No. 12378. Fancy Caliper, cast steel polished, 2½ inches. Calipers inside or outside; weight, 3 oz. Price.....**8c**

No. 12379. Inside Caliper, cast steel polished; length, 4 inches; weight, 4 oz. Calipers inside only. Price, **8c**

No. 12380. Inside Caliper, same as above; length, 6 inches; weight 5 oz. Price.....**12c**

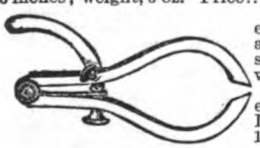
No. 12383. Outside Caliper, cast steel polished; length, 4 inches; weight, 4 oz. Price.....**8c**

No. 12384. Outside Caliper, same as above; length, 6 inches; weight, 5 oz. Price.....**12c**

No. 12385. Outside Caliper, same as above; length 8 inches; weight, 6 oz. Price.....**15c**

No. 12388. Double Caliper, cast steel polished calipers inside and out; length, 4 inches; weight, 4 oz. Price.....**11c**

No. 12389. Double Caliper, same as above. Length, 6 inches; weight, 5 oz. Price.....**15c**



No. 12392. Wing Calipers, with adjusting spring and screw, polished cast steel. Length, 6 inches; weight, 6 oz. Price..**15c**

No. 12393. Wing Calipers, same as above. Length, 8 inches; weight, 12 oz. Price.....**20c**

Wing Dividers.

No. 12398. Wing Dividers, polished cast steel. Held at any desired point by a set screw. Thumb screw for slight and accurate adjustment not shown in cut.

Size, inches,	6	8	10
Price, each,	$0.12	.16	.22
Weight, ounces,	6	8	12

Pencil Holders.

No. 12400. By means of this invention a common lead pencil can be fastened on one leg of any ordinary compass or divider; one screw clamps it in place. A short piece of pencil is furnished with each holder, but no compass or divider is given. Weight, 3 oz. Price each.....**18c**

Trammel Points.

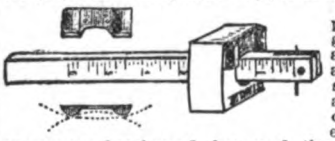
No. 12402. Stanley's Improved Trammel Points, bronze metal, steel points. The steel points are removable, and the pencil socket, which is given with each pair, can be substituted when desired. No. 2. Medium. Price, each.....**75c**

No. 12403. Rule Trammel Points. A set consists of 2 brass trammel heads, with movable steel points, and one head with a pencil socket. They can be attached to carpenters' rules of ordinary width, and on many kinds of work will take the place of regular trammel points, calipers or dividers, panel or marking gauges. Weight, 3 oz. Price, per set.....**36c**

Marking Gauges.

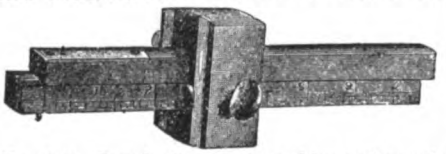
No. 12412. Barrett's combination marking and mortise Roller Gauge. Made entirely of metal. The marker is a revolving steel wheel, which will not follow the grain of the wood. Weight, 15 oz. Price, each.....**62c**

No. 12413. Marking Gauge, beechwood bar and head, boxwood thumb screw, marked bar, steel point. Weight, 7 oz. Price, each, **4c**; per doz.....**40c**

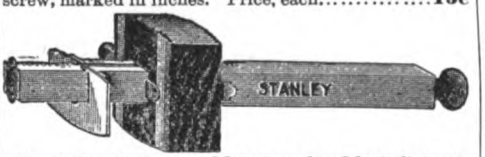


No. 12415. Improved marking gauge; will run a gauge line with accuracy, either straight or around curves of any degree, either concave or convex; beechwood, boxwood thumb screw, oval bar, marked in inches. Price, each.....**6c**

No. 12416. Improved marking Gauge, boxwood, brass thumb strew and shoe, plated head, adjustable steel point. Price, each.....**15c**

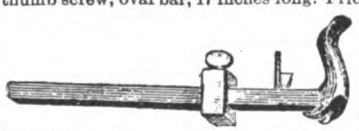


No. 12418. Double Gauge. A marking and mortise gauge combined, beechwood, polished boxwood thumb screw, marked in inches. Price, each.....**15c**



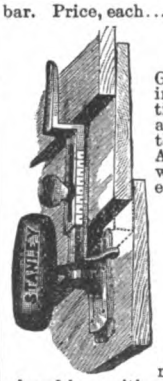
No. 12420. **Improved butt and rabbet Gauge.** The most convenient gauges for hanging doors, mortising, marking, etc. Weight, 15 oz. Price, each.....**80c**

No. 12422. **Panel Gauge.** Beechwood, boxwood thumb screw, oval bar, 17 inches long. Price, each..**10c**



No. 12423. **Slitting Gauge.** Beechwood; handled with roller; cast steel slitter, 17 in. bar. Price, each.....**31c**

Clapboard Gauge.



No. 12425. Clapboard or siding Gauge or holder is used as is shown in illustration. When in this position, press the handle over sidewise and it will be held securely. Two of them are as good as an extra man. Adjustable to lay clapboards to the weather any width desired. Price, each.....**32c**

Clapboard Marker.

No. 12428. Clapboard Marker. By moving this tool half an inch (when placed in position as shown) it will make a full line across the clapboard exactly over the edge of the corner board. Saw to the mark and you have a perfectly close joint. Price, each.....**35c**

Shingling Brackets.

No. 12429. Shingling Brackets. The parts are of spring steel, firmly riveted together. **Light, Strong, Safe.** Quickly put up and taken down, leaving no nail holes in the roof. Will pay for themselves in laying twenty thousand shingles and last a lifetime. Price, each, **20c**; per doz.....**$2.25**

Chalk Line, Reels and Awls.

No. 12433. Beechwood Chalk Line, Reel and Awl. Weight, 6 oz. Each.....**5c**

Chalk Lines.

No. 12435. Braided cotton Chalk Lines, in hanks of 18 feet each. One dozen hanks connected. Braided lines do not kink or snarl.

	Small.	Medium.	Large.
Per hank.....	2c	3c	4c
Per doz.....	18c	22c	33c

No. 12436. Common cotton Chalk Lines, in hanks of 18 feet each. One dozen hanks connected.

	Small.	Medium.	Large.
Per hank.....	2c	3c	4c
Per doz. hanks.....	10c	20c	30c

Carpenters' Chalk.

		Per doz.	Per box.
No. 12437.	White..	**5c**	**27c**
No. 12438.	Red....	**6c**	**30c**
No. 12439.	Blue...	**7c**	**35c**

Six dozen in a box.

Carpenters' Pencils.

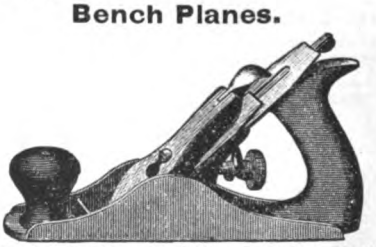
No. 12440. Oval white wood Carpenters' Pencil, 12 inches long, with rule marked on it. Price, each, **3c**; per doz, **25c.**

No. 12441. Oval red cedar Carpenters' Pencil, 12 inches long. Extra quality lead. Price, each, **4c**; per doz, **40c.**

PLANES.

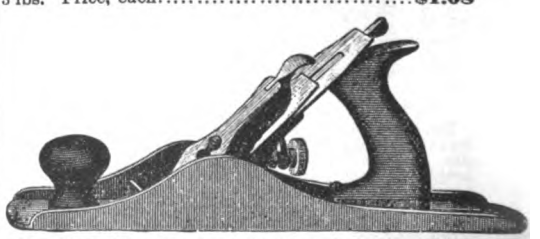
The Genuine Bailey Planes, made by the Stanley Rule & Level Company, are so well and favorably known to mechanics **the world over**, that they need no recommendation from us. The cutter is stamped from a solid piece of the best quality of **English cast steel**, of equal thickness throughout, finely tempered and ground sharp ready for use. By means of a lever, located under the plane iron, and working sidewise, the cutting edge can easily be brought into a position exactly square with the bottom of the plane. The patents having expired, planes of same style and description are now made by various manufacturers and are sometimes offered as Bailey Pattern, or even for the genuine goods. We have designated such planes as **Imitation Bailey Planes**, as we want customers to perfectly understand what they are ordering. **Our Imitation Bailey Planes are made by a reliable firm, and will give satisfaction in every way.**

Bench Planes.



No. 12448. The Genuine Bailey Iron Smooth Plane No. 3. Length, 8 inches; 1¾ inch cutter. Weight, 3 lbs. Price, each.....**$1.14**

No. 12449. An imitation of the above plane. Weight, 3 lbs. Price, each.....**$1.08**



No. 12450. The Genuine Bailey Iron Jack Plane No. 5, Length, 14 inches; 2 inch cutter. Weight, 4¾ lbs. Price, each.....**$1.45**

No. 12451. An imitation of the above plane. Weight, 4¾ lbs. Price, each.....**$1.28**

No. 12452. The Genuine Bailey Iron Fore Plane No. 6. Length, 18 inches; 2⅜-inch cutter; weight, 7 lbs. Price, each.....**$1.81**

No. 12453. An imitation of the above plane; weight, 7 lbs. Price, each.....**$1.62**

No. 12454. The Genuine Bailey Iron Jointer Plane, No. 8; length, 24 inches; 2⅝-inch cutter; weight, 9¾ lbs. Price, each.....**$2.47**

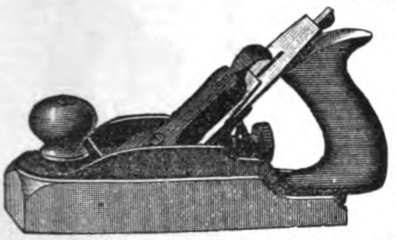
No. 12455. An imitation of the above plane; weight, 9¾ lbs. Price, each.....**$2.25**

We sell only such goods as are perfectly made and durable. We want the constant use of an article to give you as much satisfaction as its first appearance upon receipt.

Digitized by Google

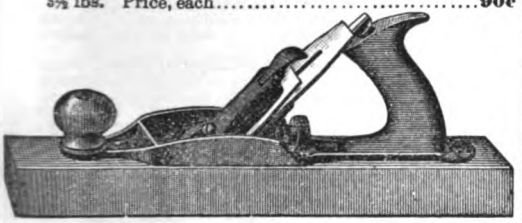
No. 12466. The Genuine Bailey Wood Smooth Plane, No. 22; length, 8 inches; 1¾-inch cutter; weight, 2¾ lbs. Price, each.....**76c**

No. 12467. An imitation of the above plane; weight, 2¾ lbs. Price, each, **70c**



No. 12468. The Genuine Bailey Wood Smooth Plane, with handle, No. 35; length, 9 inches; 2-inch cutter; weight, 3½ lbs. Price, each..... **95c**

No. 12469. An imitation of the above plane: weight, 3½ lbs. Price, each.....**90c**



No. 12470. The Genuine Bailey Wood Jack Plane No. 27; length, 15 inches; 2⅛-inch cutter; weight, 4 lbs. Price, each.....**96c**

No. 12471. An imitation of the above plane; weight, 4 lbs. Price, each.....**90c**

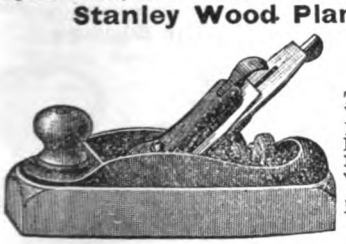
No. 12472. The Genuine Bailey Wood Fore Plane, No. 29; length, 20 inches; 2⅜-inch cutter; weight, 5¾ lbs. Price, each.....**$1.05**

No. 12473. An imitation of the above plane; weight, 5¾ lbs. Price, each..... **$1.00**

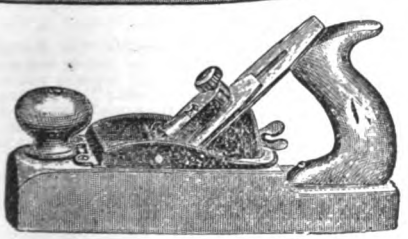
No. 12474. The Genuine Bailey Wood Jointer Plane, No. 32; length, 26 inches; 2⅝-inch cutter; weight, 7¼ lbs. Price, each.....**$1.23**

No. 12475. An imitation of the above plane; weight, 7¼ lbs. Price, each.....**$1.15**

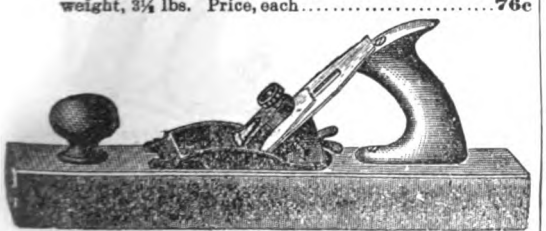
Stanley Wood Planes.



No. 12480. The Stanley Wood Smooth Plane No. 122; length, 8 inches, 1¾ inch cutter; weight, 2 lbs. Price—Each.....**57c**



No. 12481. The Stanley Wood Smooth Plane, with handle, No. 135; length, 10 inches. 2⅛ inch cutter; weight, 3½ lbs. Price, each.....**76c**

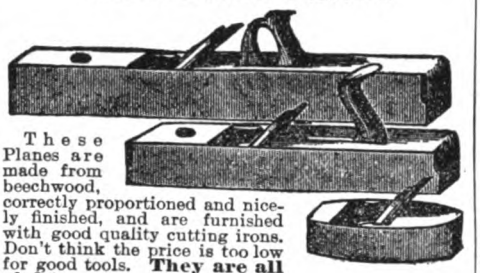


No. 12482. The Stanley Wood Jack Plane No. 127; length, 15 inches, 2⅛ inch cutter, weight, 3½ lbs. Price, each **78c**

No. 12483. The Stanley Wood Fore Plane No. 129; length, 20 inches, 2⅜ inch cutter; weight, 5 lbs. Price, each **84c**

No. 12484. The Stanley Wood Jointer Plane No. 132; length, 26 inches, 2⅝ inch cutter; weight, 6 lbs. Price, each **95c**

Wood Bench Planes.



These Planes are made from beechwood, correctly proportioned and nicely finished, and are furnished with good quality cutting irons. Don't think the price is too low for good tools. **They are all right.**

No. 12494. Beechwood Smooth Plane; length, 8¼ inches; 2 inch double iron; weight, 2½ lbs. Price, each **36c**

No. 12495. Beechwood Jack Plane; length 16 inches, 2¼ inch double iron; weight, 4½ lbs. Price, each, **40c**

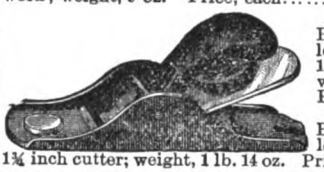
No. 12496. Beechwood Fore Plane; length, 22 inches, 2½ inch double iron; weight, 6½ lbs. Price, each..**58c**

No. 12497. Beechwood Jointer Plane; length, 26 inches, 2½ inch double iron; weight, 9 lbs. Price, each **63c**

No. 12498. Set of 4 Planes, one each of the above wood bench planes. Per set.....**$1.90**

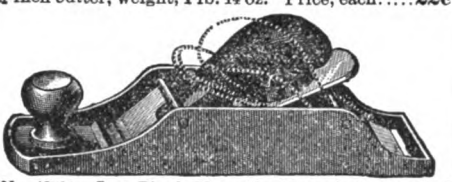
Block Plane.

No. 12500. Iron Block Plane; length, 3½ inches, 1 inch cutter. Not a toy, but a practical tool for light work; weight, 9 oz. Price, each.....**8c**



No. 12501. Iron Block Plane; length, 5½ inches, 1¼ inch cutter; weight, 14 oz. Price, each ..**15c**

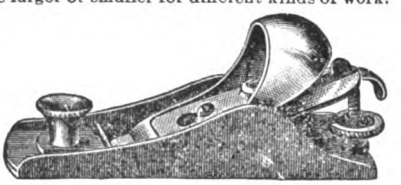
No. 12502. Iron Block Plane; length, 7½ inches. 1¾ inch cutter; weight, 1 lb. 14 oz. Price, each.....**22c**



No. 12503. Iron Block Plane (double ender); length, 8 inches, 1¾ inch cutter. By reversing the cutter and clamping wedge, as shown by dotted lines in cut, this plane can be made to plane close up into corners; weight, 1 lb. 14 oz. Price, each.....**30c**

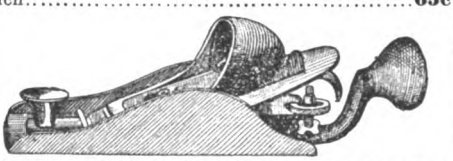
Bailey's Block Planes, with Adjustable Mouth.

These planes are made by the Stanley Rule & Level Co. All have the lateral adjustment to set the cutting iron square with the face of the plane. The advantage of the adjustable mouth is that the mouth of plane may be made larger or smaller for different kinds of work.



No. 12525. Bailey's patent iron Block Plane. Length, 8 inches, 1¾ inch cutter. Adjustable cutter, adjustable mouth. Weight, 1 lb. 10 oz. Price, each.....**60c**

No. 12526. Same shape and adjustments as above, 7 inches long, 1¾ inch cutter. Weight, 1 lb. 14 oz. Price, each.....**65c**



No. 12527. Bailey's Block Plane. Adjustable cutter, adjustable mouth, rosewood handle. Length, 6 inches, with 1¾ inch cutter. Price, each.....**70c**

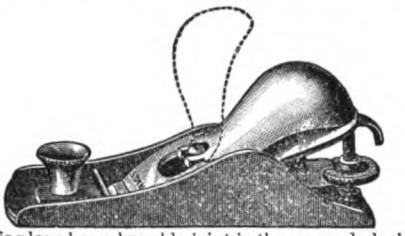
No. 12528. Bailey's Block Plane. Same as above. Length, 7 inches, with 1¾ inch cutter. Price, each..**75c**

YOU DON'T ALWAYS GET

GOOD PANTS

BY PAYING HIGH PRICES.

We sell you GOOD PANTS ... at any price ...



This plane has a knuckle joint in the cap, and placing the cap in position clamps the cutter securely in its seat. Has nickel-plated trimmings and all adjustments same as above planes.

No. 12532. Knuckle Joint Plane, as above. Length, 6 inches, 1¾ inch cutter. Weight, 1 lb. 10 oz. Price, each **70c**

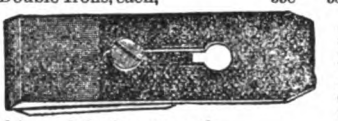
No. 12533. Knuckle Joint Plane, as above. Length, 7 inches, 1¾ inch cutter. Weight, 1 lb. 14 oz. Price, each.....**75c**

Plane Irons.

No. 12540. **Plane Irons for Bailey or Stanley Planes.**

In ordering these plane irons BE SURE **to state the manufacturers' number of the plane for which they are wanted.**

Size, inches,	1¾	2	2¼	2⅜	2⅝
Cut Irons, each,	15c	16c	19c	23c	24c
Double Irons, each,		33c	35c	40c	42c



No. 12541. Extra quality Plane Irons for wood bench planes. Best of material and workmanship, and finely tempered.

Size, inches,	1¾	2	2¼	2½
Cut Irons, each,	10c	13c	15c	18c
Double Irons,	24c	25c	27c	32c

Cutters for Block Planes.

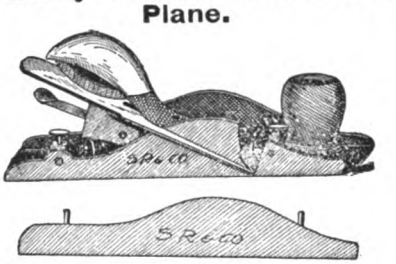
No. 12543. Steel Cutter for iron block plane No. 12443 or No. 12444. Price, each **8c**

No. 12544. Steel Cutter for iron block plane No. 12445 or No. 12447. Price, each.....**10c**

No. 12545. Steel Cutter for iron block plane Nos. 12525, 12526, 12532 or 12533. Price, each.....**12c**

Be sure to state for which plane cutter is wanted.

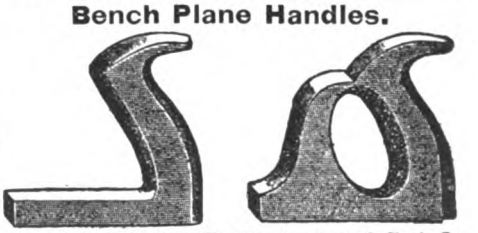
Stanley's Rabbet and Block Plane.



A detachable side will easily change this tool from a Block Plane to a Rabbet Plane, or vice versa. The cutter is set on a skew.

No. 12549. Rabbet and Block Plane, with detachable side, 7 inches in length, 1¾ inch cutter. Price.....**85c**

Bench Plane Handles.



No. 12550. Jack Plane Handles, beechwood. Each, **3c**

No. 12551. Fore or Jointer Plane Handles, beechwood. Each **5c**

Stanley's Adjustable Planes.

Stanley's Circular Plane.

No. 12570. Stanley's Adjustable Circular Plane, with flexible steel face, which, by turning the knob on the front of the plane, can be easily shaped to any required arc, either concave or convex. Weight, 3¾ lbs. Price, each.....**$1.52**

Digitized by Google

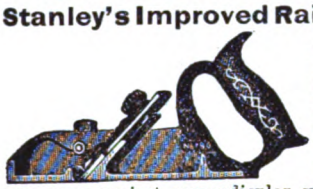
Stanley's Adjustable Chamfer Plane.

The front section of this plane, to which cutter is attached, can be moved up and down. It can be firmly secured to the rear section, at any desired point, by means of a thumb screw. Without the use of any other tool this plane will do perfect chamfer, or stop chamfer work of all ordinary widths. When the faces of both sections are even it can be used as an ordinary bench plane.

No. 12571. Adjustable Chamfer Plane, as above. Length, 8 inches; 1⅝ inch cutter. Weight, 3 lbs. Price, each **$1.18**

No. 12572. Beading Attachment for above chamfer plane. For beading or molding a chamfer an additional attachment can be furnished, with six cutters, sharpened at both ends, including a large variety of ornamental forms. This attachment is not included with above plane. Price, for attachment **60c**

Stanley's Improved Rabbet Plane.



No. 12573. Stanley's Improved Rabbet Plane. This plane will lie perfectly flat on either side, and can be used with right or left hand equally well while planing into corners or up against perpendicular surfaces; has spur, which can be removed when not wanted. Length, 8 inches; 1½ inch cutter; weight, 3½ lbs. Price, each **60c**

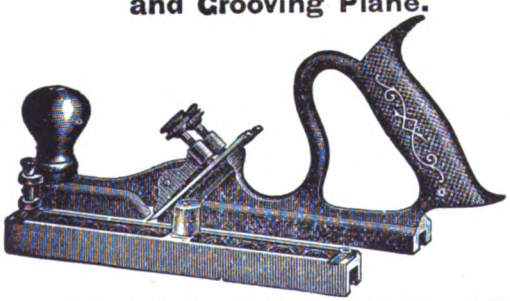
Stanley's Duplex Rabbet Plane and Fillister.

Remove the arm to which the fence is secured and a Handled Rabbet Plane is had, and with two seats for the cutter, so that the tool can be used as a Bull-Nose Rabbet if required.

The arm to which the fence is secured can be screwed into either side of the stock, thus making a superior right or left hand fillister with adjustable spur and depth gauge.

No. 12574. Duplex Rabbet Plane and Fillister as above. Length, 8½ inches; 1½ inch cutter; weight, 3¼ lbs. Price, each **89c**

Stanley's Adjustable Tonguing and Grooving Plane.



These planes have two separate cutters a suitable distance apart. When the guide or fence is set as shown above, both cutters work and a tongue can be made.

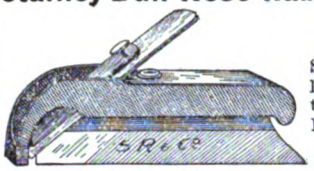
The fence is hung on a pivot, and can be swung around end for end. This movement covers one of the cutters, and also furnishes a guide for grooving an exact match for the tongue.

In working thicker than 1 inch stuff, with No. 48 Plane, or ½ inch stuff with No. 49, place the extra wide cutter in right hand side of the plane. The tongue and the groove will be equally removed from the center of the edges, on extra thick or thin boards, but a perfect match will be made.

No. 12575. Tonguing and Grooving Plane (commonly called Match Plane), as above, which will match board of any thickness from ¾ to 1¼ inches thick. (No. 48.) Weight, 2¾ lbs. Price, each **$1.48**

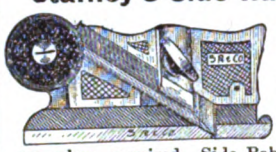
No. 12576. Tonguing and Grooving Plane, as above, which will match board any thickness from ⅜ to ¼ inch. (No. 49.) Weight, 2¾ lbs. Price, each **$1.50**

Stanley Bull-Nose Rabbet Plane.



No. 12577. Iron Stock, 4 inches in length, 1 inch cutter. Price, each ... **20c**

Stanley's Side Rabbet Plane.

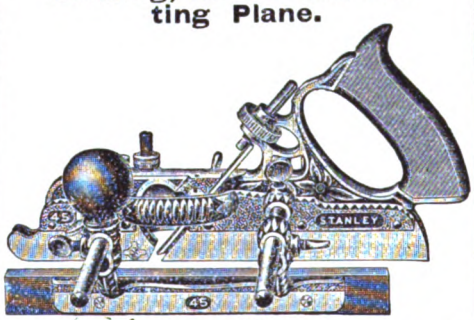


No. 12578. A convenient tool for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose-piece will give the tool a form by which it will work close up into corners when required. Side Rabbet Plane, 4 inches in length, price, each **75c**

Stanley's Adjustable Beading Plane.

No. 12579. Patent Adjustable Beading Plane. This plane will do all the work for which 14 common wood bead planes would be required. Has spur cutter for use when beading across the grain. By adjustment of the fence center beading can be done any distance up to 5 inches from the edge of a board. Price, complete, including 7 bits, sizes ⅛, 1/16, ¼, 1/16, ⅜, 7/16, ½ inch. Price, each **$2.30**

Stanley's Patent Adjustable Beading, Rabbet and Slitting Plane.

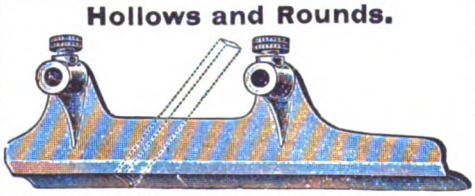


No. 12583. Stanley's Patent Adjustable Beading Rabbet and Slitting Plane. This is **the favorite** with first class carpenters, and in each of its several forms will do first class work, even in the hands of an ordinary mechanic. Directions for forming the different tools which can be made from this plane accompany each plane, and are easily understood by any one of ordinary intelligence. This plane embraces (1) beading and center beading plane; (2) rabbet and fillister; (3) dado; (4) plow; (5) matching plane; (6) sash plane, and (7) a superior slitting plane. Each plane has seven beading tools (⅛, 3/16, ¼, 5/16, ⅜, 7/16, and ½ inch), ten plow and dado bits (⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, and ⅞ inch), a slitting blade, a tonguing tool, and a sash tool. Weight, 6¼ lbs. Price, complete with tools as above. Each **$4.60**

Extras.

The following tools can be used with above plane, but are not included in above combination:

Hollows and Rounds.



No. 12584. Hollows and Rounds for above plane.

No.	6	8	10	12
Cutter, width, inches	½	⅝	¾	1
Works, circle, inches	¾	1	1¼	1½
Price, per pair	$0.88	.88	.88	.88

Nosing Tool.

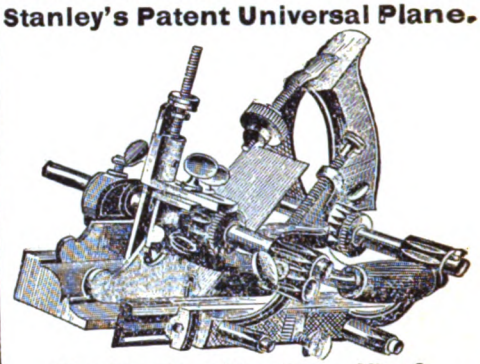
No. 12585. Nosing Tool, 1¼ inch (attach same as above). Each **60c**

Reeding Tools.

No. 12586. Size of beads, either ⅛, 3-16 or ¼ inch, are same price. State size wanted when ordering.

No. beads,	2	3	4	5
Price, each	$0.20	.30	.40	.50

Stanley's Patent Universal Plane.

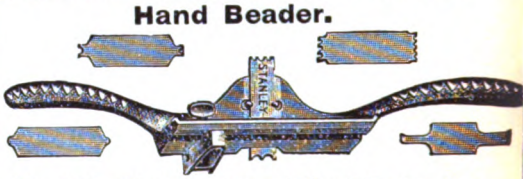


[The plane, adjusted for making moldings.]

This tool, in the hands of an ordinary carpenter, can be used for all lines of work covered by a full assortment of so-called fancy planes.

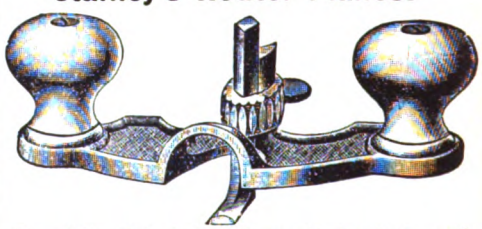
No. 12587. Stanley's Patent Universal Plane, nickel plated, including molding plane, match, sash, chamfer, beading, reeding, fluting, hollow, round, plow, dado, rabbet, fillister and slitting plane, with 52 cutters packed in four separate cases and the whole outfit packed in a neat wooden box. Price, complete.. **$9.30**

Hand Beader.



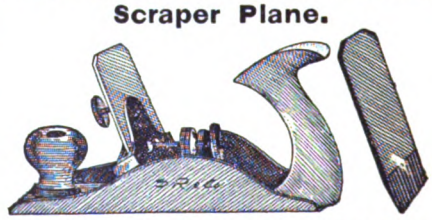
No. 12590. Stanley's Universal Hand Beader, for beading, reeding or fluting straight or irregular surfaces and for all kinds of light routering, with a square gauge for straight work and an oval gauge for curved work. Both ends of the cutters are sharpened, thus embracing in a compact form six ordinary sizes of beads, four sets of reeds, two fluters and a double router iron (size ⅛ and ¼ inch). Weight, 1 lb. 10 oz. Price, complete as above, nickel plated **65c**

Stanley's Router Planes.



No. 12594. This tool will smooth the bottom of grooves, panels or all depressions below the general surface of any wood work, and will rapidly router out mortises for sash, frame, pulleys, etc. The bits can also be clamped to the backside of the upright post and outside of the stock; in this position they will plane into corners which can not be easily reached with any other tool; has iron stock and steel bits (¼ and ½ inch). Price, complete **88c**

Scraper Plane.



This tool is used for scraping and finishing veneers or cabinet-work. It can be used equally well as a tooth plane; and will do excellent work in scraping off old paint and glue.

No. 12595. Adjustable Scraper, 9 inches, 3 in. cutter **$1.15**
Cutters, for veneer scraping ..... **.15**
Cutters, for toothing, Nos. 22, 28, 32 (22, 28 or 32 teeth per in.) ..... **.18**

IF YOU WANT TO BUY A DRESS for your wife, DON'T PAY TWO PRICES. Pay the right price, and pay it to us.

See our elaborate display of DRESS GOODS. Refer to index.

Digitized by Google

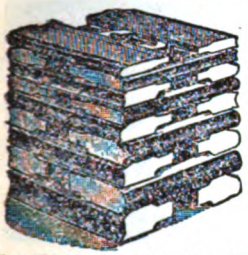
Stanley's Improved Wood Scraper.

This Scraper can be adjusted to any desired pitch; and may be worked toward or from the person using it. The roller acts as a support to relieve the strain on the wrist and hands of the workman. The handle can be detached for working into corners.

No. 12596. Scraper, with handle and roller, 4 in. blade.....**88c**
Cast steel blades, for above Scraper.....**20c**

Miscellaneous Planes.

Hollows and Rounds.



No. 12620.

No.	1	2	3	4	5	6
Works. in.	¼	⅜	½	⅝	¾	⅞

Per pair....**54c**

No. 12621.

No.	7	9
Works,	1	1¼ in.

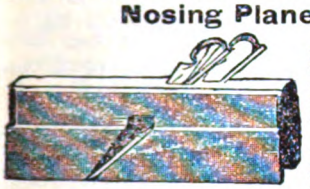
Per pair.....**60c**

No. 12622.
No. 11, works 1½ in.
Per pair.....**70c**

We do not break pairs.

No. 12622½. Set of 9 pairs of Hollow and Rounds, one pair each of the above size. Per set.....**$5.10**

Nosing Planes.



No. 12623. Nosing Plane for steps to work ⅞, 1, 1⅛ or 1¼ inch; any one size.
Each.....**64c**

No. 12624. To work 1⅜ or 1½ inch; any one size.
Each.....**70c**

Molding Planes.

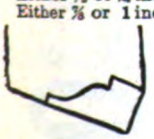
No. 12625. Quarter round Plane. The lower part of cut shows shape of molding made with this plane.
Either ½ or ⅝ inch. Each..**28c**
Either ¾, ⅞ or 1 inch. Each.**35c**
1¼ inch. Each.....**40c**

No. 12626. Quarter round with fence; lower part of cut shows shape of molding made with this plane.
Either ½ or ¾ inch. Each..**43c**
Either ⅞ or 1 inch. Each..**49c**

No. 12627. Roman reverse ogee.
Either ⅜, ½ or ⅝ inch. Each...**40c**
Either ¾, ⅞ or 1 inch. Each....**45c**
1¼ inch. Each.....**54c**

No. 12628. Roman reverse ogee with fence.
Either ½ or ⅝ inch. Each.....**43c**
Either ¾, ⅞ or 1 inch. Each..**48c**

No. 12629. Cove Plane.
Either ½ or ¾ inch. Each..**27c**
Either ⅞ or 1 inch. Each..**35c**



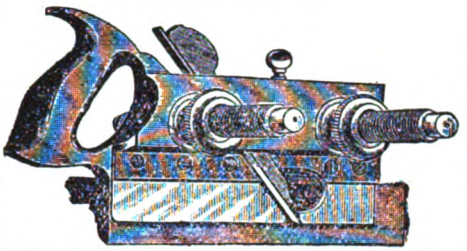
No. 12630. Ogee Plane.
Either ⅜, ½, ⅝, ¾, ⅞ or 1 inch.
Each.....**35c**
Either 1¼ or 1½ inch. Each..**46c**

No. 12636. Side bead Plane, single boxed.
Either ⅛, 3-16, ¼, 5-16, ⅜ or ½ inch.
Each.....**28c**

No. 12637. Center bead Plane, double boxed.
Either ⅛, 3-16, ¼, 5-16, ⅜ or ½ inch.
Each.....**33c**

No. 12638. Reeding Planes.
Either ¼, 5-16 or ⅜ inch; cuts 2 beads.
Price, each, any one size..**$1.03**

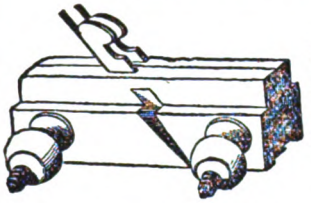
Panel Plows.



No. 12644. Beechwood Panel Plow, Handled. Screw stop and arms, complete with set of eight cast steel bits.
Price, each.....**$3.25**

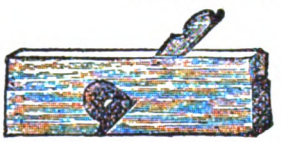
No. 12646. Boxwood or Rosewood Panel Plow, Handled, boxwood arms and fence, complete with set of eight cast steel bits.
Price, each.....**$5.50**

Sash Planes.



No. 12648. Adjustable Sash Plane Screw Arms, boxed, to cut bevel or ovalo molding. State which is wanted in your order.
Each....**$1.20**

Rabbet Planes.



No. 12650. Skew Rabbet Plane, either ½, ⅝, ¾, ⅞ or 1 inch.
Each.....**33c**

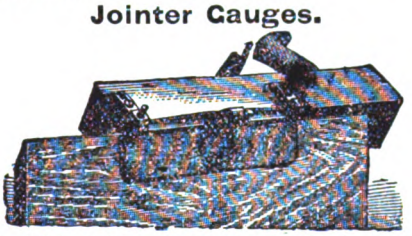
Size, inches,	1¼	1½	1¾	2
Each,	$0.37	.40	.45	.59

No. 12651. Jack Rabbet Plane, with handle and spur cutter, either 1½ or 2 inch.
Price, each.....**$1.00**

Special Notice.

If you don't see what you want, ask for it. We advertise here the Planes we sell most, but can furnish anything in the plane line at correspondingly low prices if it's to be had in this market.

Jointer Gauges.



No. 12654. Jointer Gauges; an invention to attach to an ordinary jointer plane. It holds the face of the plane at any desired angle, so to joint edge of board either square or at any bevel desired. No trouble to get edge of lumber "out of wind" when you use this gauge. Weight, 2¼ lbs.
Price, each.....**$1.20**

Cabinet Scraper.

No. 12660. Cabinet Scraper, a sheet of finely tempered saw steel about 3x5 inches.
Price, each.....**6c**

Sand Paper.

No. 12664. We carry the following numbers in stock: Nos. 00, 0, ½, 1, 1½, 2 and 3; Nos. 1 and 1½ are commonly used. No. 00 is the finest and No. 3 coarsest. State numbers wanted when ordering.
Price, per sheet, **1c**; per bundle of 24 sheets.....**15c**

Emery Cloth.

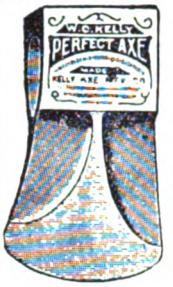
No. 12665. We carry same numbers as sand paper, except the No. 3, which is not made.
Price, per sheet.....**3c**
Per bundle of 24 sheets.....**48c**

Men's Overshirts...

and *FURNISHING GOODS* of every description in the complete department devoted to that line of goods. Refer to pages 206 to 249.

Axes.

We offer you a line of Axes which are acknowledged by all to be the standard of the world. We know there is no better made.



No. 12685. The Kelly Axe. It's the shape and good cutting qualities which have made this one of the most popular axes in the market. It is made of the finest steel, hand-hammered, tempered, and tested before leaving the factory. The blade is so shaped it will cut deepest but will not bind in the timber. It will burst the chip, and will not become stubbed after grinding. It has a taper eye which binds the handle. We have them in all weights, from 3 to 5 lbs.
Price, each.....**48c**
Doz.....**$5.62**

Hunt's Axe.

No. 12686. The genuine old reliable Hunt's Axe. Northwestern pattern like cut. Weights are from 3 to 5 lbs.
Price, each.....**60c**
Doz.....**$6.00**

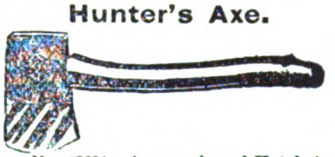
No. 12689. Handled Axe. A good axe all complete, with handle put in. It weighs from 3¼ to 4¼ lbs. Handle not included in weight.
Each....**60c**
Doz.....**$6.84**

No. 12692. Boy's Axe. Give the boys a chance. Boy's Axe complete with handle; cast steel; gold bronzed. Weight, 2½ lbs. Length of handle, 26 inches.
Price, each.....**45c**
Doz.....**$4.80**

Double Bitted Axe.

No. 12693. Kelly's well-known Double Bitted Axe. Same workmanship and material as No. 12685. Weights are from 3½ to 5½ lbs.
Price, each.....**75c**
Doz.....**$8.75**

Hunter's Axe.



No. 12694. An axe-shaped Hatchet, all complete, with handle. Weight, 1½ lbs. Handle not included in weight. Length of handle, 16 inches.
Price, each.....**40c**

Axe Handles.

No. 12698. Octagon hand shaved, all white, second growth hickory. Selected and oiled, 36 inches long. The best axe handle made. Price, each, **25c**; per doz.....**$2.70**

No. 12699. Oval shaved, second growth hickory, 36 inches long. A first rate handle. Each, **20c**; per doz.....**$2.16**

No. 12700. Extra turned hickory, second growth, 36 inches long. Each, **18c**; per dozen.....**$2.00**

No. 12701. No. 2 turned hickory, 36 inches long. Each, **10c**; per doz.....**$1.10**

No. 12702. **Double Bitted Axe Handle.** Shaved hickory. Second growth, 36 inches long. Each, **20c**; per doz.....**$2.16**

Boys' Axe Handles.

No. 12703. Handles for boys' axe. Turned hickory, 28 inches long. Each, **20c**; per doz.....**$2.16**

Axe Handle Wedge.

No. 12709. So well known description is not necessary. Weighs 5 oz. Each, **3c**; per doz.....**33c**

Wood Wedges.

No. 12710. Solid cast steel wood wedges. Weight, 4 lbs., each, **16c**. Weight, 5 lbs., each.....**20c**

Beetle Rings.

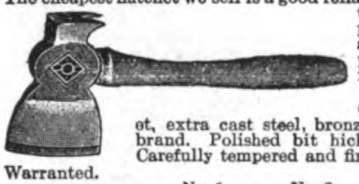
No. 12712. Wrought Iron Beetle Rings, made of flat iron 1 inch wide, 3-16 inch thick.

Diameter, inches,	4½	5	6
Weight, lbs.,	1	1½	2¾
Price, each.....	10c	15c	20c

Digitized by Google

Hatchets.

All hatchets sold by us have handles, but weight of handle is not included when we state weight of hatchet. The cheapest hatchet we sell is a good reliable tool, and the higher priced ones are only superior in finish.



No. 12716. Claw Hatchet, extra cast steel, bronzed. Y and P brand. Polished bit hickory handle. Carefully tempered and finely finished. Warranted.

	No. 1.	No. 2.	No. 3.
Width, inches,	3½	4	4½
Weight,	1 lb. 3 oz.	1 lb. 9 oz.	1 lb. 15 oz
Price, each,	$0.42	.45	.48

No. 12718. Shingling Hatchets, Y and P brand, common pattern, extra cast steel, bronzed, polished bit, hickory handle, finely finished and carefully tempered.

	No. 1.	No. 2.	No. 3.
Width, inches,	3½	4	4½
Weight,	1 lb. 1 oz.	1 lb. 7 oz.	1 lb. 13 oz.
Price, each,	$0.40	.43	.45

12720

No. 12720. **The best Shingling Hatchet made.** Y and P brand. Adze eye, bell poll, solid cast steel, full polished hickory handles, thin blade, width of bit 3½ inches, weight, 1 lb. 4 oz., warranted. Price, each.....**65c**

12724

No. 12724. Lathing Hatchet. Y and P brand. Extra cast steel, bronzed, polished bit, common pattern, hickory handle.

	No. 0.	No. 1	No. 2
Width, inches	2	2¼	2½
Weight,	10 oz.	14 oz.	1 lb. 1 oz.
Price, each,	$0.38	.40	.43

No. 12726.

No 12725. Full polished Lathing Hatchet, Y and P brand, solid cast steel, thin blade, adze eye, hickory handle; width of bit, 2¼ inches; weight, 1 lb.; warranted. Price, each.....**65c**

No. 12726. The Underhill Star Pattern Lathing Hatchet, Y and P Brand, full polished, solid cast steel, extra thin blade, 2 inches wide; weight, 1 lb. Price, each.....**73c**

No. 12727. Handles for Hatchets; give Catalogue Number and size of hatchet for which handle is wanted. Price, each, **5c**; doz., **54c**.

No. 12725.

No. 12732. Broad hatchets or carpenter bench axes, Y and P brand; extra cast steel, bronzed polished bit, hickory handle.

Width,	4¼	5	5½	6 inch.
Weight,	1 lb. 12 oz.	2 lb. 2 oz.	2 lb. 8 oz.	2 lb. 14 oz.
Price, each,	$0.60	.65	.75	.85

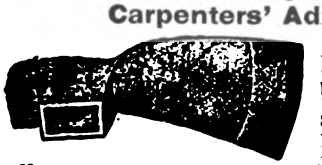
No. 12733. Handles for No. 12732 hatchets. (State size wanted.) Price, each.....**6c**

Broad Axes.

No. 12736. Carpenter's Broad Axe; western pattern, extra cast steel, bronzed polished bit; weight, 6 to 9 lbs., cut 10 to 13 inches. We can not always fill orders with weight and cut as ordered. We do so as nearly as possible always. If you are most particular about weight, mention weight first. If you are most particular about width of cut, mention cut first, and we will do the best we can for you. Price, each.....**$1.45**

No. 12737. Handles for the above broad axe, right or left hand, 26 inches long. Price, each...**18c**

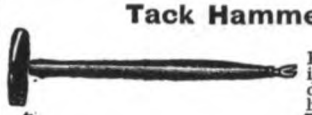
Carpenters' Adze.



No. 12740. Carpenters' Adze; extra cast steel, bronzed polished bit; width of cut, 3½ to 4 inches; weight, 3¾ lbs. Price, each...**90c**

No. 12741. Handles for the above adze, second growth hickory, 34 inches long. Price, each.....40c

Tack Hammers.



No. 12742. Tack Hammer. Polished iron, hickory handle, claw in end of handle. Price, each, **5c**; per doz....**50c**

No. 12745. Malleable iron Tack Hammer. Tinned, upholsterer's pattern, iron handle. Price, each, **8c**; per doz **87c**

No. 12746. The head of this hammer is magnetic, and it will pick up and hold tack for driving; hickory handle with steel claw. Price, each, **10c**; per doz. **$1.08**

Tack Pullers.

No. 12748. Tack Puller. The best thing for the purpose ever invented; sure and quick; don't bend the tacks; ebonized handle, steel jaws. Price, each, **10c**; per doz.....**$1.08**

No. 12749. Carpet Stretcher, with tack hammer and claw. The draw bar is long enough to get enough bearing on carpet so there is no danger of tearing. The take-up is automatic. Weight, 1 lb. 11 oz. Price, each **40c**

Nail Hammers.

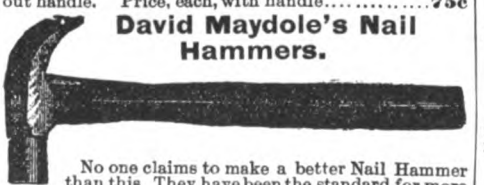
No. 12754. Cast Iron Hammers are **strictly no good.** We have a few of these hammers in stock, which we would rather keep than sell to our customers. If you **must have them,** we sell you a light one for 10 cents, or a full size for 15 cents. You will be sorry if you buy one. Can't you afford to buy a first-class hammer at our prices for them? See how cheap they are.

Nail Holding Hammers.

By the improved form of the groove this Hammer will hold any size or shape of cut or wire nails. With it one can drive nails beyond ordinary reach.

No. 12755. Nail Holding Hammer, made from the best quality crucible steel. Only one size and shape made. Weight, 1 lb. 3 oz., without handle. Price, each, with handle.....**75c**

David Maydole's Nail Hammers.

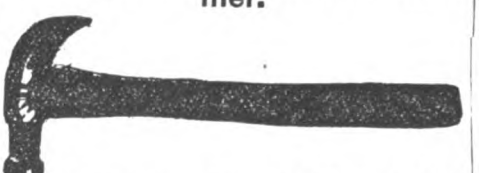


No one claims to make a better Nail Hammer than this. They have been the standard for more than 50 years and still maintain their high reputation. They are proportioned right; they hang right; claws are right shape to draw a nail without breaking the claw; temper is right. **Every Hammer is fully warranted.**

No. 12756. **The genuine David Maydole Nail Hammers.** Adze eye, polished hickory handles. Weights do not include handles.

No.	1	1½	2	3
Weights,	1¼ lbs.	1 lb.	13 oz.	7½ oz.
Price, each,	$0.54	.48	.45	.40

Adze-Eye Bell-Face Nail Hammer.



No. 12757. **The genuine David Maydole Nail Hammers.** Adze-eye bell-face, polished; hickory handle. Weights do not include handles.

No.	11	11½	12	13
Weight,	1 lb. 3 oz.	1 lb.	12 oz.	7 oz.
Price, each,	$0.55	.49	.46	.42

Bell-face Hammers are rounded on the face. They do not slip from the head of the nail, and there are no sharp corners to mar the surface of the wood when nail is driven home.

Steel Nail Hammers.

The following Hammers, No. 12758 and No. 12759, are made from the best cast steel and are warranted against flaws and not to be soft. They are not so highly finished and polished as the higher priced goods, but for common use they give excellent satisfaction. Don't compare these hammers with cast iron goods like No. 12754. We tell you that No. 12754 hammers are no good and you will find them so. We tell you that these hammers are all right and you will not be disappointed if you buy one.

No. 12758. Adze Eye Plain Face Nail Hammer, same shape as illustration of No. 12756. **Warranted.**

Size 1, weight, 1¼ lbs. Price, each.....**30c**
Size 2, " 1 lb. " **28c**
Size 3, " 13 oz. " **25c**

Weight of handle not included in stating weight.

No. 12759. Adze Eye Bell Face Nail Hammers, same shape as illustration of No. 12757. **Warranted.**

Size 11, weight, 1¼ lbs. Price, each.....**32c**
Size 11½, " 1 lb. " **30c**
Size 12, " 13 oz " **27c**

Riveting Hammers.

RIVETING HAMMERS.

No. 12768. The Y. & P. Brand Riveting Hammers polished extra cast steel. Handles not included in weights.

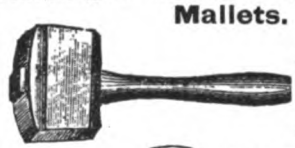
Weight,	7 oz.	9 oz.	12 oz.	18 oz.	26 oz.
Price, each,	$0.21	.22	.23	.25	.30

Ball Pene.

No. 12769. The Y. & P. Brand Machinists' Ball Pene Hammers, polished solid cast steel; hickory handle. Handles not included in weights.

Weight,	12 oz.	1 lb.	1¼ lbs.	1½ lbs.	1¾ lbs.	2 lbs.
Price, each,	$0.43	.48	.50	.53	58	62

Mallets.



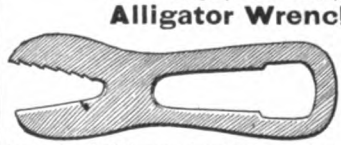
No. 12772. Square hickory Mallets. Head is 6½x2¾x3¾. Mortised handle. Weight about 1¾ lbs. Price, each **11c**

No. 12775. Round malleable iron Mallet, with inserted hickory faces. Head is 5¾x3 inches. Weight, 3½ lbs. Price, each.....**38c**

Pocket Wrench.

No. 12778. Pocket Screw Wrench, all iron, tinned; whole length when closed, 3¾ inches. Takes nut ⅞ in. Weight, 7 oz. Price, each.....**6c**

Alligator Wrench.



No. 12779. Solid cast steel Alligator Wrench. Length, 5¾ inches. Capacity, ¼ to ¾ inch; for holding or turning round or square bolts or nuts. Weight, 7 oz. Price, each.....**15c**

For other wrenches see index.

Monkey Wrenches.

No. 12781. Screw Wrench, wrought iron bar, head and screw. The 10 inch size is best for general purposes.

Size, inches,	6	8	10	12	15
Weight,	1 lb.	1 lb. 6 oz.	2 lbs.	2½ lbs.	3½ lbs.
Price, each,	$0.17	.18	.20	.25	.42

No. 12782. "Coe's" knife handle Screw Wrench. The standard high-grade wrench. The favorite with engineers, machinists and all first-class workmen. Best wrought iron bar head and screw.

Size, inches,	8	10	12	15
Weight,	1 lb. 6 oz.	2 lb. 3 oz.	3 lbs.	4 lb. 5 oz.
Price, each,	$0.47	.56	.65	1.10

No. 12784. **The improved Acme Wrench** is made entirely of best quality wrought iron. Each size will take larger nut than corresponding size of any other wrench made. **The 5-inch size is nickel plated,** and makes an excellent pocket or bicycle wrench.

Size, inches,	5	6	8	10
Weight,	9 oz.	14 oz.	1 lb.	2 lbs. 10 oz.
Price, each,	$0.50	.33	.33	.48

Size, inches,	12	15	18
Weight,	4 lbs. 6 oz.	6 lbs.	8 lbs.
Price, each	$0.50	.95	$1.18

Never cut a picture from your Catalogue to send with your order. It is never necessary, if you will follow instructions in front of book.

Digitized by Google

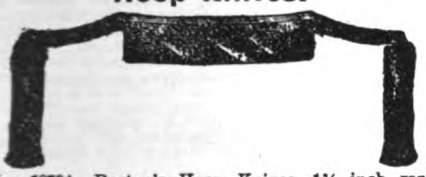
Froes.

No. 12790. Coopers' Froes, steel edge, 10 to 14 inch cut. Used for splitting shingles, staves, handle stuff, etc., from the log. Weight, 2½ lbs. Price, each.....**60c**

Coopers' Adze.

No. 12791. Barton's Coopers' Adze, flour barrel size, handled and bolted. Price, each.....**$2.10**

Hoop Knives.

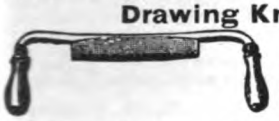


No. 12794. Barton's Hoop Knives, 1¾ inch razor blade, walnut handles, 8 inch cut. Price, each.....**95c**

Shingle Knives.

No. 12795. Shingle Knives, 1¾ inch, cast steel blade, beechwood handles, cut 14 inches. Price, each.....**85c**

Drawing Knives.



No. 12798. Carpenters' Draw Knives, oval cast steel blade, extra capped handle. Good tools, finely finished.

Size, cut, inch,	8	10	12
Weight, lbs.,	1¼	1½	1¾
Price,	$0.40	.45	.50

Adjustable Folding Handle Drawing Knife.

No. 12801. Adjustable and Folding Handle Drawing Knife; is a reliable tool of first class cutting qualities; when folded it takes but little space in the tool chest and the handles prevent the edge becoming dulled by other tools. Made in three sizes.

No.	1	2	3
Length of blade,	6 in.	7 in.	8 in.
Size when folded,	11½x2	12¾x2	14x2
Price each,	1.10	1.15	1.25

Chamfer Gauge for Drawing Knives.

No. 12802. Improved Chamfer Gauge for Drawing Knives. The use of this attachment and method of applying it to blade can easily be seen by referring to the illustration. It is made of iron, nickel plated.

Size, inches,	1¼	1½	1¾
Fits blade, in. wide,	1⅛ to 1¼	1⅜ to 1¾	1⅝ to 1¾
Price, each,	$0.50	.50	.50

Spoke Shaves.

No. 12803. Beechwood Spoke Shaves, with 2½ inch cast steel cutter; weight, 8 oz. Price, each.....**18c**

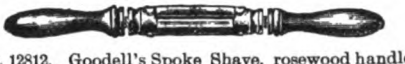
No. 12804. Iron handle Spoke Shave, with 1¾ in. cast steel cutter. Price, each ...**12c**

No. 12805. Iron handle Spoke Shave, with two cast steel cutters, concave 1½ inch and straight 1⅝ inch wide. Price, each.....**15c**

No. 12806. Iron handle Spoke Shave, with adjustable cap, 2⅛ inch cast steel cutter. Price, each.....**22c**

No. 12807. Iron handle Spoke Shave, with adjustable cap, raised handles, 2⅛ inch cast steel cutter. Price, each.....**23c**

No. 12809. Chamfer Spoke Shave, iron handles, 1½ inch cast steel cutter; chamfer gauge is adjusted by two thumb screws in handles and will accurately chamfer any width up to 1⅛ inches; weight, 14 oz. Price, each.....**25c**



No. 12812. Goodell's Spoke Shave, rosewood handles, 2 inch cast steel cutter; the angle of the knife is such that it cuts instead of scraping the grain of the wood; either handle may be removed to work in close places; will work in smaller circles than any other shave made. Price, each **65c**

Chisels and Gouges.

No. 12822. Tanged Firmer Chisels, solid cast steel, polished, **with handle** included.

Size,	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	1¾	2
Price, each,	$0.15	.16	.17	.18	.19	.20	.23	.30	.35	.42	.50

No. 12823. Tanged Firmer Gouges, solid cast steel, polished. Outside bevel, **with handles included.**

Size,	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	1¾	2
Each,	$0.18	.19	.20	.21	.22	.23	.28	.35	.43	.55	.65

No. 12824. Socket Firmer Chisels; blades are 6 inches long. For quality of material, finish and cutting qualities these chisels can not be equaled at the price. They are high grade, first-class tools; handles included.

Size,	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	1¾	2
Price,	$0.15	.16	.17	.19	.21	.22	.23	.25	.27	.29	.32

No. 12825. Socket Firmer Chisels, beveled edge (price includes handles). These are high grade tools, made in the best manner of the best materials. Bevel blade, 6 inches long, applewood handles.

Size,	⅛	¼	⅜	½	⅝	¾	⅞
Price, each,	$0.20	.21	.22	.23	.25	.26	.27

Size,	1	1¼	1½	1¾	2
Price, each,	$0.30	.31	.33	.35	.40

Socket Framing Chisels.

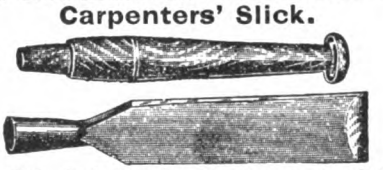
No. 12830. Socket Framing Chisel; blade 8 inches long; high grade; fine finish, with handles. Handles have iron ring on end to prevent splitting.

Size, inches,	½	¾	1	1¼	1½	2
Price, each,	$0.24	.27	.30	.34	.38	.45

Socket Corner Chisels.

No. 12831. Socket Corner Chisel; extra cast steel, polished outside, with handle. Handle has iron ring on end to prevent splitting. Each face of chisel measures 1 inch. Price, each.....**60c**

Carpenters' Slick.



No. 12832. Socket Slick; extra cast steel, polished; with handle, as shown in illustration.

Size, inches,	2½	3	3½	4
Price, each,	$0.75	.83	1.00	1.15

Buck's Chisels.

Buck's Chisels and Gouges have attained a reputation for excellence of their fine cutting qualities known everywhere. When you get a tool stamped Buck you are getting the finest tempered and keenest cutting tool that can be bought. Three generations have made the work of forging, hardening and tempering edge tools a practical life study, and now have attained a standard that cannot be excelled. All goods warranted against flaws and not to be too soft. Do not condemn the cutting quality of any new tool until you have ground it more than once, as you will often find a perfect edge on the second if not on the first grinding.

Buck's Tanged Firmer Chisels.

With Polished Appletree Handle.

No. 12835. Buck's Tanged Firmer Chisels, ground sharp and honed, with polished appletree handles. The 1 inch chisel blade is 5½ inches long from the bolster. Other sizes in proportion.

Size, inches,	⅛	3/16	¼	5/16	⅜	½	⅝
Price, each,	$0.18	.19	.20	.21	.22	.24	.25
Size, inches,	¾	⅞	1	1¼	1½	1¾	2
Price, each,	$0.27	.30	.32	.41	.50	.60	.70

No. 12836. Set of 9 of the above chisels, one each, size, ⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch. Per set....**$2.90**

No. 12837. Set of 14 of the above chisels, one each, size from ⅛ to 2 inch. Per set.....**$4.35**

Buck's Tanged Firmer Gouges.

No. 12838. Buck's Tanged Firmer Gouges, beveled outside, ground sharp, with best quality applewood handles. The 1 inch blade is 5½ inches long from the bolster. Other sizes in proportion.

Size, inches,	⅛	3/16	¼	5/16	⅜	½	⅝
Price, each,	$0.23	.24	.25	.26	.27	.29	.30
Size, inches,	¾	⅞	1	1¼	1½	1¾	2
Price, each,	$0.33	.36	.38	.50	.60	.70	.83

No. 12839. Set of 9 of the above gouges, one each, size ⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch **$3.00**

No. 12840. Set of 14 of the above gouges, one each, size from ⅛ to 2 inches. Price, per set.....**$5.25**

Buck's Socket Firmer Chisels.

No. 12841. Buck's Socket Firmer Chisels, furnished with the best applewood handles. The 1 inch blade is 6 inches long from the shoulder.

Size, inches,	⅛	3/16	¼	5/16	⅜	½	⅝
Price, each,	$0.28	.29	.30	.31	.32	.33	.36
Size, inches,	¾	⅞	1	1¼	1½	1¾	2
Price, each,	$0.39	.42	.46	.50	.54	.62	.70

No. 12841½. Set of 9 of the above chisels, one each, size ⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch.
Price, per set.....**$4.25**

No. 12842. Set of 14 of the above chisels, one each, size from ⅛ to 2 inches. Per set.....**$5.45**

Buck's Socket Firmer Chisels.

With Beveled Edges and Fancy Applewood Handles.

No. 12843. Buck's Socket Firmer Chisels with Beveled edges and fancy applewood handles. The one inch blade is 6 ½ inches long, other sizes in proportion.

Size, inches,	⅛	3/16	¼	5/16	⅜	½	⅝
Price, each,	$0.46	.47	.48	.49	.50	.54	.57
Size, inches,	¾	⅞	1	1¼	1½	1¾	2
Price, each,	$0.60	.64	.68	.75	.79	.99	1.08

No. 12843½. Set of 9 of the above chisels, one each, size, ⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch.
Price, per set.....**$5.60**

No. 12844. Set of 14 of the above chisels, one each, size from ⅛ to 2 inches. Price, per set.....**$8.60**

Buck's Turning Chisels.

No. 12845. Buck's Turning Chisels, without handles. The 1 inch size is 10¼ inches over all.

Size, inches,	⅛	3/16	¼	5/16	⅜	½	⅝
Price, each,	$0.17	.18	.18	.18	.19	.20	.23
Size, inches,	¾	⅞	1	1¼	1½	1¾	2
Price, each,	$0.26	.28	.33	.40	.53	.63	.75

No. 12846. Set of 9 of the above turning chisels, one each, size, ⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 inch.
Per set.....**$2.85**

No. 12847. Set of 14 above turning chisels, one each, size from ⅛ to 2 inch.
Per set.....**$4.30**

Buck's Turning Gouges.

No. 12848. Buck's Turning Gouges, without handles; beveled on the outside. The 1 inch size is 10¼ inches over all.

Size, inches,	⅛	3/16	¼	5/16	⅜	½	⅝
Price, each	$0.21	.22	.23	.25	.26	.27	.30
Size, inches,	¾	⅞	1	1¼	1½	1¾	2
Price, each	$0.35	.40	.45	.58	.75	.90	1.08

Leather Capped Chisel Handles.

No. 12849. Leather Capped Hickory Chisel Handles for socket firmer chisels from ⅛ to 2 inches. When ordering give size of chisel for which they are wanted. Price, each, **5c**; per doz..**54c**

No. 12850. Leather Capped Hickory Chisel Handles, for socket framing chisels. When ordering give size of chisel for which they are wanted. Price, each, **6c**; per doz.....**65c**

No. 12851. Leather Capped Hickory Chisel Handles with brass ferrules for tanged firmer chisels. When ordering give size of chisel for which they are wanted. Price, each, **8c**; per doz.**87c**

Chisel Handles.

No. 12852. Handles for tanged chisels or gouges, polished hickory with brass ferrules. State for what size chisel wanted.
Each **2c**; per doz.....**20c**

No. 12853. Handles for socket firmer or paring chisels or gouges, polished hickory. State for what size chisel wanted.
Each, **2c**; per doz.....**17c**

Digitized by Google

No. 12854. Handles for socket framing or corner chisels, polished hickory with malleable iron ferrule on end to prevent splitting and wearing away. State for what size chisel wanted. Each, **3c**; per doz.....**23c**

Carving Tools.

No. 12860. Set of Carving Tools consisting of 6 extra cast steel tools of various shapes and sizes as shown in cut, with rosewood handles. They are not intended for professionals, but they are just the thing for any one who but seldom has occasion to do carving. Full length of tool with handle, 5½ inches. Weight of set complete, 10 oz. Price, complete in a wood box.....**82c**

We can furnish carving tools for professional carvers of any size or shape, but have not space to illustrate them here. Price will be cheerfully and promptly given on request. In asking for price make a drawing showing size and shape of end of blade, and if not wanted straight show shape of blade wanted.

Chisel Grinder.

No. 12862. This is a new invention for holding chisels, plane irons, etc., while grinding them. When put in the holder and brought to the right bevel with the adjusting screw, nothing is left to do but to bear it on the stone, and it will grind all right without further care. Price, each **62c**

Chisel Gauge.

No. 12863. Chisel Gauge, used for blind nailing. Attach this to a ¼ inch chisel (with bevel edge up) and a shaving of any desired thickness can be raised, which, when glued down again, will leave surface of work perfectly smooth. Only one size made. Price, each (without chisel).....**13c**

Cold Chisels.

No. 12866. Cold Chisel, made from a superior quality octagon cast steel, ½ inch in diameter, with the cutting end drawn out wider, as shown above. Weight, 5 oz. Each **8c**

No. 12867. Cold Chisel. Same as above, made from ¾ inch octagon steel. Weight, 1 lb. 2 oz. Each....**15c**

Screw Drivers.

No. 12868. Screw Drivers. Cast steel forged blades. Beechwood handle, brass cap ferrule.

Size of blade, inches,	1½	3	4	5	6	8
Whole length, inches,	5½	7½	9	10½	12½	15
Price, each,	$0.05	.05	.06	.08	.09	.11

No. 12869. Champion Screw Driver. The blade of our Champion Screw Driver is forged from die steel, tempered and shrunk into a malleable polster, heavy combined tang and ferrule, which prevents tang turning in handle or becoming loose. Handle is fluted, which is considered the best shaped handle made.

Size of blade,	3	4	6	8	10
Whole length, inches,	7½	9	12½	15	17
Price, each,	$0.18	.22	.32	.42	.53

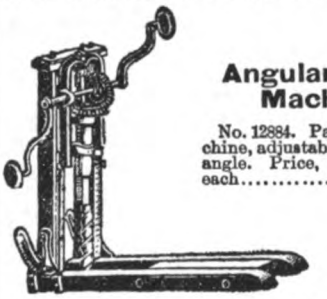
No. 12874. The old and well-known Gay's Double-Action Ratchet Screw Driver. The blade is forged from cast steel; used as a right or left hand ratchet or plain screw driver, ebony handle polished, steel plate.

Length of blade, inches,	4	5	6	8
Price, each,	$0.50	.55	.68	.76

Goodell's Spiral Screw Driver can be used as a spiral ratchet or plain screw driver.

No. 12876. Goodell's Spiral Screw Driver, stained cherry handle. Length closed, 9½ inches; open, 14 inches, with 3 forged steel bits. Price, each.....**95c**

No. 12877. Goodell's Spiral Screw Driver, stained cherry handle. Length closed, 11 inches; length open, 16 inches, with 3 forged steel bits. Price, each..**$1.10**



Angular Boring Machines.

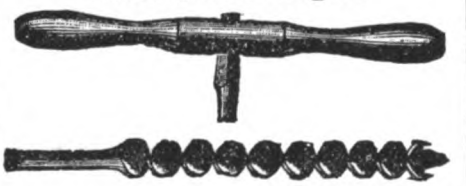
No. 12884. Patent Boring Machine, adjustable to bore at any angle. Price, without augers, each.....**$2.65**

Boring Machine Augers.

No. 12888. Extra quality augers for above or any other boring machine of standard make.

Size, inches,	1	1¼	1½	2
Price, each,	$0.30	.35	.43	.60

Mechanic's Auger.



No. 12889. Extra quality carpenters' Auger, for cross handle of wood. Handle not included at price given. Extra cast steel, full polished; nut on end of shank.

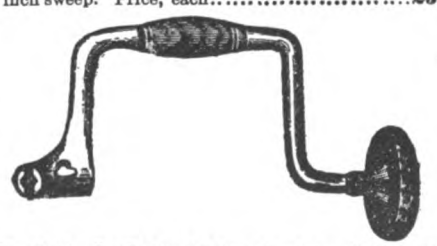
Size, inches,	1	1¼	1½	1¾	2
Price, each,	$0.32	.35	.42	.48	.60

Adjustable Auger Handles.

No. 12890. Will fit any size auger, and is quickly removed, so augers can be easily packed in tool chest. Only one handle required for a full set of augers. Weight, 1 lb. Price, each.....**17c**

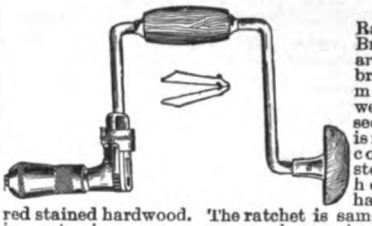
Bit Braces.

No. 12894. Bit Brace, with steel sweep and revolving head and handle. Sweep is made from ⅞ cold drawn steel rod and head and handle are cherry or birch. We have two sizes; the 10 inch size is best for general work.
8 inch sweep. Price, each.....**22c**
10 inch sweep. Price, each.....**25c**



No. 12895. Spofford's Bit Brace has been in the market for years, and there is no doubt it will stand more rough usage and abuse than any other made. Will hold all sizes auger bits, gimlet bits, or bit stock drills. Bits are quickly fastened in and can't pull out. It's a great favorite with blacksmiths and carriage builders. Solid steel, nickel plated cocobolo head and handle, adjustable bit holder.
8 inch sweep. Each.....**$1.05**
10 inch sweep. Each.....**$1.10**

Ratchet Brace.



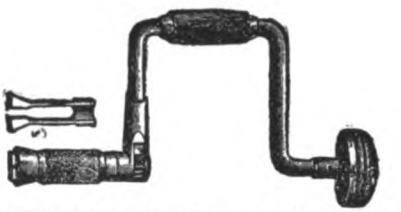
No. 12896. Ratchet Bit Brace. These are the best braces for the money that we have ever seen. Sweep is made of 7-16 cold drawn steel rod. The head and handles are red stained hardwood. The ratchet is same as shown in cut; jaws are same as shown in small cut and are the same pattern that's used in the most expensive bit braces made. The parts are accurately fitted. It is equal to our best brace except in finish. We have but one size of this brace—10-inch sweep—looks exactly like illustration above. Price, each.....**55c**

No. 12897. Ratchet Bit Brace. These braces are same as above in material and construction, but they are **finely polished and nickel plated** and have **cocobolo heads and handles.** We have three sizes of this brace:
8-inch sweep. Each **73c**
10-inch sweep. Each **87c**
12-inch sweep. Each **90c**

Ball Bearing Ratchet Brace.

No. 12897½. Ball Bearing Ratchet Brace. These braces have same style ratchet and jaw as shown in cut of 12896. They are made from the best material and are finished in the very best possible manner. The head has ball bearings. Handles and head of cocobolo. All metal parts are elegantly and heavily nickel plated. We have this brace in three sizes:
8-inch sweep. Each **$0.95**
10-inch sweep. Each **1.00**
12-inch sweep. Each **1.05**

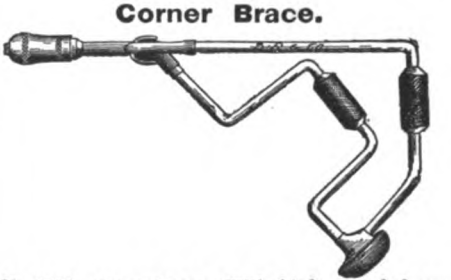
Ratchet Brace with Ball Bearings.



No. 12898. Ratchet Brace is a very strong brace, handsomely finished; will hold square or round shank bits ⅛-inch and larger; lignum vitæ head strengthened by steel plate full size of head; steel bow nicely nickel plated; steel ball bearings.

Sweep, inches	8	10	12
Price, each.....	$1.15	1.25	1.38

Corner Brace.



No. 12899. Corner Brace. With this brace a hole can be bored in a corner in places where no other brace can be used to advantage. It is a favorite with electricians, bell hangers, gas fitters, plumbers, cabinet makers, carpenters, and other mechanics. It is well made and finely finished. Steel rods, full nickel plated, with cocobolo head and handles. Made in two sizes,
8-inch sweep, price, each.....**$2.10**
10-inch sweep, price, each **2.30**

Drill Brace.

No. 12900. Drill and Ratchet Brace. A combination of rachet brace and breast drill. Ten-inch nickel plated sweep, ball bearing head. The drill gear is detachable and is easily and quickly adjusted. Jaws hold all kinds of bits and drills. Price, each **$3.50**

Digitized by Google

Auger Bits.

No. 12912. Common Auger Bits. We call these common auger bits because this is the style to use for common work. They are not common in **quality.** Every bit is made from extra cast steel with double spur and lip nicely finished. There are bits in the market which we could sell you much cheaper, but we know a **good bit** can't be made and sold (even with our one small profit) at less price than we offer below. This is **not** a bit made to sell and not to use. Its the kind you can use and use a good while and with satisfaction. Order No. 12912.

Size, inches	3/16	1/4	5/16	3/8	7/16	1/2	9/16	
Price, each	$0.10	.09	.09	.10	.10	.10	.11	
Size, inches	5/8	11/16	3/4	13/16	7/8	15/16	1	
Price, each	$0.12	.13	.14	.15	.16	.18	.20	

No. 12913. The above bits in sets of 13, one each size, from ¼ to 1 inch. Price, per set.....**$1.60**

No. 12914. The above bits (No. 12912) in sets of 7, one of each size, ¼, 5/16, ⅜, ½, ⅝ and ¾. Price, per set..**80c**

Russell Jennings Bits.

No. 12916. **The Genuine Russell Jennings Extension Lip Auger Bits** are for first-class mechanics only. For ordinary work our common auger bits are the ones to buy. There are many imitations of this bit on the market called Jennings pattern or with the name Jennings used in some way with the purpose of working off inferior goods at high prices. These are the genuine double spur extension lip. You will always find our goods just as represented. When we sell an imitation of a well-known article we sell it for what it is, and at the right price. Order No. 12916.

Size...	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1
Each..	$0.18	.20	.23	.26	.28	.31	.33	.37	.39	.42	.46	.49	.53

No. 12917. Set of 7 of the above bits, one each, ¼, ⅜, ½, ⅝, ¾, ⅞ and 1 inch.....**$2.70**

No. 12918. Set of 13 of the above bits, one of each size, ¼ to 1 inch. Per set.....**$4.65**

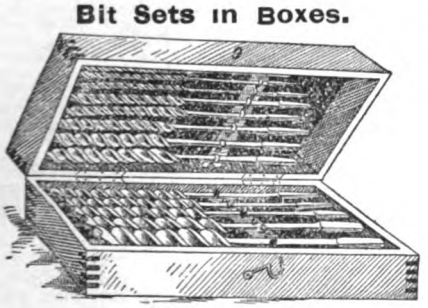
Car Bits.

No. 12920. Superior Cast Steel Extension Lip Car Bits with 12-inch twist. Same as cut 12912, except the twist is 12 inches long.

Size	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16
Price	$0.26	.28	.30	.36	.41	.45	.51	.53
Size	12/16	13/16	14/16	15/16	16/16	17/16	18/16	
Price	$0.62	.66	.71	.75	.82	.96	1.08	

No. 12921. Set of 15 of the above bits, one each size, from 4/16 to 18/16. Price, per set..... **$13.38**

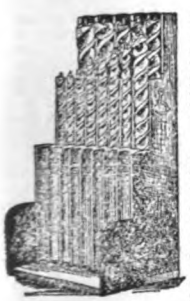
Bit Sets in Boxes.

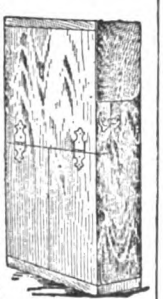


No. 12924. Set of 13 selected Auger Bits; one each size from ¼ to 1 inch, put up in neat hardwood box with hinges and hook, same as illustrated above.
Price.....**$2.05.**

No. 12925. Set of 6 selected Auger Bits; one each size ¼, ⅜, ½, ⅝, ¾ and 1 inch, put up in a wood box similar to illustration of No. 12924 (only holding but 6 bits.)
Price.....**$1.15.**

Bit Boxes.





The illustration on the left shows box open and filled with bits. The illustration on the right shows box closed.

No. 12928. Bartlett's Improved Bit Box is much superior to the old style. When the cover is open it makes a large base which supports the box firmly. Short bits may be taken out easily. Holds 13 bits from ¼ to 1 inch.
Price, each, without bits.....**35c**

Gimlet Bits.

No. 12934. Double cut Gimlet Bits are best to buy if you are not a skilled mechanic. Extra quality cast steel, polished. No. 0 is about 1-16. The other numbers increase gradually up to No. 6, which is about ¼ inch. Be sure to state what number is wanted.

No.	0	1	2	3	4	5	6
Price each....	$0.03	.03	.03	.03	.03	.03	.03

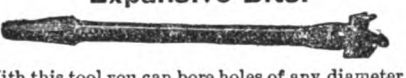
No. 12935. A set of Gimlet Bits, one of each size, weight, 10 oz.....**19c**

No. 12936. German pattern Gimlet Bits. Extra quality cast steel. Will bore with small risk of splitting. The small sizes are easily broken if not handled right, and should be used carefully. Draw the bit when you have bored to depth of pod, and you will have no trouble then to bore as deep as bit will go.

Sizes,	1/16	3/32	1/8	5/32	3/16	7/32	1/4	5/16
Price each...	$0.05	.05	.05	.05	.05	.05	.05	.06

No. 12937. A set of the above bits, one of each size, weight, 10 oz. Price.....**36c**

Expansive Bits.



With this tool you can bore holes of any diameter between sizes mentioned. It is elegantly made and highly polished. Made in two sizes.

No. 12939. Clark's Improved Expansive Bit. Small size, with two cutters, one boring from ½ to ⅞ inch, the other, from ⅞ to 1½ inch. Price, complete....**90c**

No. 12940. Clark's Expansive Bit. Large size, with two cutters, one boring from ⅞ to 1¾ inch, the other boring from 1¾ to 3 inches. Price, complete....**$1.30**

No. 12941. Extra cutters for Clark's expansive bits. For small size bit.
No. 1. Cuts from ½ to ⅞ inch. Price, each.....**18c**
No. 2. Cuts from ⅞ to 1½ inch. Price, each....**23c**
No. 12942. For large size bit.
No. 3. Cuts from ⅞ to 1¾ inches. Price, each..**32c**
No. 4. Cuts from 1¾ to 3 inches. Price, each...**36c**

Twist Drills.

No. 12950. Twist Drills for bit brace. Will drill metal or bore wood. The price is now so low every one owning a bit brace should have a set of these drills. Keep point of drill well oiled when drilling metal.

Sizes....	1/16	3/32	1/8	5/32	3/16	7/32	1/4	9/32	5/16	11/32
Each.....	$0.05	.05	.07	.08	.10	.12	.13	.15	.17	.20
Sizes....	3/8	13/32	7/16	15/32	1/2	9/16	3/4	7/8	1 inch.	
Each.....	.23	.27	.33	.36	.40	.50	.60	.70	.90	

No. 12951. Set of 7 of the above bits, one each, size, 1-16, 1-8, 3-16, 1-4, 5-16, 3-8 and 1-2 inch. Per set...**$1.05**

No. 12952. Set of 11 of the above bits, one each, size, 1-16, 1-8, 3-16, 1-4, 5-16, 3-8, 1-2, 5-8, 3-4, 7-8 and 1 inch. Per set.....**$3.50**

No. 12953. Set of 15 of the above bits, one each, size, 1-16 to 1-2 inch. Per set.....**$2.45**

No. 12954. Set of 19 of the above bits, one each, size from 1-16 to 1 inch. Per set.....**$4.88**

Round Shank Drills.

No. 12955. Twist Drill with round shank for drill presses. Will drill metal or bore wood. The shank of all sizes is ½ inch in diameter, 2½ inches long.

Sizes,	1/8	3/32	3/16	7/32	1/4	9/32	5/16	11/32	3/8	13/32
Each...	$0.18	.20	.21	.23	.25	.27	.30	.32	.33	.35
Sizes,	7/16	15/32	1/2	17/32	9/16	19/32	5/8	21/32		
Each.....	$0.36	.38	.39	.40	.41	.42	.43	.45		
Sizes,	11/16	23/32	3/4	25/32	13/16	27/32				
Each.....	$0.46	.50	.52	.55	.60	.62				
Sizes,	7/8	29/32	15/16	31/32	1 inch.					
Each.....	$0.63	.65	.70	.72	.75					

No. 12956. Set of 10 of the above drill bits, one each, size, 1-8, 3-16, 1-4, 5-16, 3-8, 1-2, 5-8, 3-4 inch. Price, per set.....**$2.40**

No. 12957. Set of 29 of the above drills, one each, sizes from ⅛ to 1 inch. Price, per set.....**$12.00**

Screw Driver Bits.

No. 12962. Screw Driver to use in bit brace is 5½ inches long. Forged from extra cast steel. Not to be compared with cheap cast iron goods, of which there are too many in the market. Weight, 5 ounces.
Price, each.....**5c**

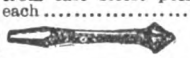
Reamer Bits.

No. 12964. Square Reamer Bits. Forged from extra cast steel. Weight, 5 ounces. Each.....**8c**

No. 12965. Octagon Reamer Bits. Forged from extra cast steel. Weight, 5 ounces. Each.....**12c**

Countersink Bits.

No. 12970. Flat Countersink Bit for metal. Forged from cast steel: polished. Weight, 5 ounces. Price, each.....**7c**

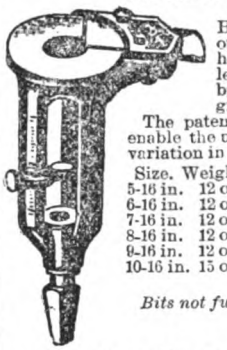


No. 12971. Rosehead Countersink Bit for metal or wood. Polished cast steel. Weight, 5 ounces. Price, each.....**7c**

No. 12974. Wheeler's Countersink, for wood, with gauge. Weight, 5 ounces. Price, each.....**16c**

No. 12975. Clark's Countersink for wood. Without doubt the best countersink made for wood. Weight, 5 ounces. Price, each..**25c**

Hollow Augers.



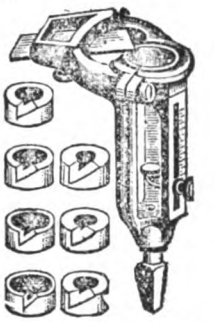
No. 12984. Stearn's Patent Hollow Augers, cutting but one size. The only single size hollow auger in which the length of tenon is regulated by an adjustable stop and graduated scale.

The patent adjustable cap and knife enable the user to overcome any slight variation in size of bits.

Size.	Weight.	Each.	Size.	W'ght.	Each.
5-16 in.	12 oz.	$0.50	¾ in.	18 oz.	$0.55
6-16 in.	12 oz.	.50	⅞ in.	18 oz.	.82
7-16 in.	12 oz.	.50	1 in.	18 oz.	.83
8-16 in.	12 oz.	.50	1⅛ in.	23 oz.	.88
9-16 in.	12 oz.	.55	1¼ in.	23 oz.	.90
10-16 in.	15 oz.	.55	1½ in.	23 oz.	1.00
			1¾ in.	32 oz.	1.00

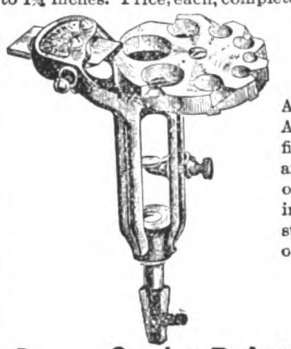
Bits not furnished.

Patent Adjustable Hollow Augers.



No. 12985. Stearn's Patent Adjustable Hollow Auger, made of malleable iron and nicely finished. The knife is made of the best tool steel, has adjustable stop, with scale for regulating length of tenon. It cuts eight sizes, as follows: ⅜, 7-16, ½, 9-16, ⅝, ¾ and 1 inch. Weight, 1 lb. 9 oz. No. 1, complete.
Price.....**$3.15**

No. 12986. Goodell's Patent Adjustable Hollow Auger. This auger is an improvement on anything hitherto in use, as it has fitted to it a nickel plated bit brace sweep, with rosewood handle and lignum vitæ head; sweep, 14 inches. As the brace sweep is fitted to it, it will always work true, which is not the case when the ordinary kind is used in an ordinary bit brace; besides, it often happens that the bit brace on hand is not large enough to drive a spoke auger. The auger is adjustable to cut from ⅜ to 1¼ inches. Price, each, complete with sweep...**$3.35**



No. 12987. Bonney's Adjustable Hollow Auger is a tool that is first class in material and finish. Cuts 8 sizes of tenons from ⅜ to 1 inch. Has adjustable stop to regulate length of tenons.
Price, each...**$1.75**

Spoke Pointers.

Stearn's Patent Spoke Pointer with graduated adjust'ble shank. Points, 1⅜ inches in diameter.

No. 12990. No. 1, weight, 12 oz. Price, each **56c**
No. 12991. No. 2, weight, 18 oz. (large). Price each. **94c**

Angular Boring Attachment.

No. 12992. Angular Boring Attachment fits any brace, nickel plated, can be used as a straight extension or adjusted. Weight, 4½ lbs. Price each.....**$1.18**

If you know anyone in Chicago, write to him and have him look us up. He can then be able to tell you as to our business and whether or not you will be safe in sending your order to us.

Digitized by Google

Bit Gauge.

No. 12993. Bit Gauge. This cut shows the gauge in all of its parts. It will be seen that one bolt with thumb-screw tightens the clamps on the gauge spindle and auger bit at the same time. It will fit any size bit, and exactly gauge the depth of hole to be bored. Price, each.....**25c**

Washer Cutter.

No. 12994. Washer Cutter for bit brace. Extra fine steel knives, polished. Cuts any size washer with any size hole up to 5½ nches in diameter. Will save its cost in one year. Besides, with this tool you can cut washers just exactly the size you want them and you can't always buy them the size wanted. Price, each....**45c**

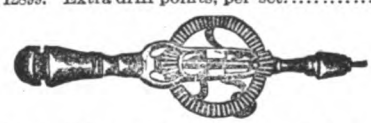
Breast Drills.

No. 12996. Breast Drill. This drill has been sold for years and given satisfaction to the user. Has malleable iron stock japanned rosewood handles, polished and plated. Improved chuck with recent improvement which makes it hold perfectly tools of all sizes and shapes. The gear is changeable—one even, the other three to one. A roller is placed under the large gear wheel which makes it practically equal to a double gear. Weight, 4 lbs. Price, each.....**$2.75**

Hand Drills.

No. 12998. This Drill Stock is made of iron with rosewood handle. The chuck is made of brass and centers the drill perfectly and holds it securely. With each drill stock we furnish free of charge six superior drill points of various sizes. Weight, 8 oz. Price of stock and drills.....**43c**

No. 12899. Extra drill points, per set.....**25c**

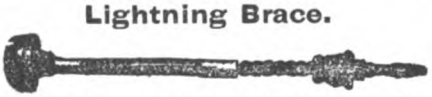


No. 13000. This Drill Stock is made of malleable iron with steel spindle and rosewood head and handle. The handle is hollow and contains six drill points of various sizes. The jaws are of forged steel and will hold perfectly drill shanks of any shape from 1-32 to ⅛ inch in diameter Price, each.....**$1.06**

No. 13001. Extra drill points for above stock. Per set.....**25c**

No. 13006 Automatic Drill, made of brass, nickel plated, with 8 drill points. There is a receptacle for each drill in the handle, and but one drill need be taken out and that the exact size wanted, as each receptacle is marked with size of drill contained. Price, each.....**$1.30**

Lightning Brace.



Lightning Brace, nickel plated, lignum vitæ and rosewood trimmings; is especially designed for light boring and screw driving; it may be used running the bit backward or forward or turn the bit only one way, as it is necessary; the movements are regulated by the head; very rapid in its work; strong and durable.

No. 13008. Like cut.....**$1.28**

No. 13009. Small size, principle same as cut... **1.05**

A visit to our store would interest you. If you are ever in Chicago come and see us.

PINCERS AND NIPPERS.

Carpenters' Pincers.

Did you ever see a Carpenters' Pincer that was good enough to suit you? We've got them. Some dealers say they are too high-priced to sell. We sell ten times as many of this grade as we ever could of the others. We like to sell this grade better than the cheaper ones. That's our plan, not how cheap, but how low-priced on good goods. Remember these pincers are not for cutting, but for pulling.

No. 13028. **Our best** Carpenters' Pincers, with claw on handle, forged from superior steel best adapted for the work.

Size, inches,	6	8	10	12
Price, each.	$0.16	.22	.30	.35

No. 13029. Carpenters' Pincers, as good as usually sold, and not by any means the cheapest pincer we can buy.

Size, inches,	6	8	10
Price, each,	$0.14	.18	.25

Pliers.

No. 13038. Family Plier and Cutter and Gas Burner Plier. It's a good one for the money. Length, 5½ inches. Weight, 7 oz. Price, each.....**20c**

No. 13039. Flat Nose Pliers, wrought with steel face jaws. A good, cheap plier. Weight, about 7 oz.

Size, inches,	4	5	6
Price,	$0.09	.11	.15

No. 13040. Flat Nose Pliers, solid extra cast steel. Good enough for anybody. Weight, 7 oz.

Size, inches,	4	5	6
Price,	$0.13	.15	.20

No. 13046. Cronk's Plier and Cutter is the most convenient combined plier and cutter ever made. Just the thing for building fence and general working with wire. Made of the best crucible steel.

Size, inches,	8	10
Price, each,	$0.50	70
Weight, ounces,	17	23

No. 13048. Solid steel Side Cutting Pliers, Stubb's pattern, with raised cutters. The plier used by electricians, bell hangers and all professional wire workers.

Size, inches,	4	5	6
Price, each,	$0.40	.45	.50

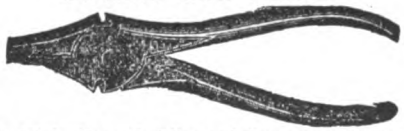
Round Nose Pliers.

No. 13049. Round Nose Pliers. Wrought with steel face jaws.

Size, inches,	4	5	6
Price, each,	$0.15	.20	.25

No. 13050. Round Nose Pliers. Extra cast steel. Polished jaws. Don't pay more for same goods. Size, 6 inches. Price.....**40c**

Cutters and Pliers.



No. 13052. Button's Plier and Cutter is well known, Made from best quality of tool steel. We sell the genuine made by J. M. King & Co.

Size, inches,	6	8	10
Price, each,	$0.28	.38	.48

End Cutting Nippers.

No. 13053. Solid steel End Cutting Nippers. Don't pry when cutting. If you do they will break if they are good for anything for cutting. For pulling tacks, nails, etc., use a carpenters' pincer.

Size, inches,	5	6
Price, each,	$0.50	.63

No. 13054. Wire Cutting Nippers, with removable jaws. The jaws can be taken off to be sharpened or new jaws can be replaced at little cost. A set screw through handles prevents jaws coming together too far, so one jaw cannot dull the other.

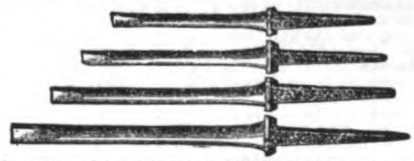
Size, inches,	8	10	12
Price, each,	$0.65	.75	1.00

No. 13055. Extra jaws for the above, any size wanted. Per pair.....**25c**

Send sample when ordering.

Awls.

No. 13060. Handled Brad Awls, steel shouldered awl, polished handle with ferrule. Sizes small, medium and large. Weight, 6 oz. Price, each, **6c**; per doz.....**65c**



No. 13061. Brad Awl Blades, cast steel shouldered, no handles. Price, per doz., assorted sizes.....**15c**

No. 13062. Solid Steel Scratch Awl. The blade and handles are made from one piece of **steel wire.** It is the strongest scratch awl made. Price, each.....**6c**

No. 13063. Socket Scratch Awl. Solid cast steel, polished beech handles. No danger of handle splitting and shank of awl being driven through your hand if you use this awl. Weight, 8 oz. Price, each.....**10c**

Awl and Tool Sets.

No. 13066. Awl and Tool Sets, with forged steel awls and tools. Hollow cocobolo handle which holds tools when not in use. Very convenient and serviceable. Weight, 9 oz. Price, each.....**32c**

Leather Tool Set.

No. 13067. Leather Awl Set is something every one who has a harness should carry in his pocket when working on his farm, or in his buggy when driving on the road. It is a hollow handle, 5 inches long. Inside the handle is a spool holding 50 feet of best waxed linen shoe thread. Inside the spool are three awls and three needles of sizes commonly used. Awls are held in handle by a set screw. Weight, 6 oz. Price, each.....**18c**

Nail Sets.

No. 13072. Diamond Point Nail Set, with sharp spur on point to prevent slipping. Weight, 4 oz. Price, each.....**7c**

No. 13073. Cup Point Nail Sets, with hollow point. Just the thing for starting screws which are rusty or have broken heads. Weight, 4 oz. Price, each.....**5c**

No. 13074. Forged Cast Steel Nail Sets. Octagon. Assorted sizes. Weight, 4 oz. Price, each, **4c**; per doz.**38c**

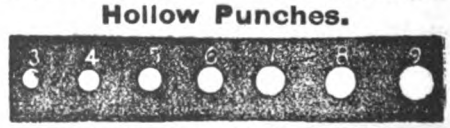
Prick Punch.

No. 13075. Prick Punch, made of ⅜ inch octagon steel. Weight, 5 oz. Price, each.....**5c**

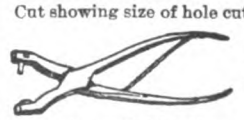
Center Punch.

No. 13076. Center Punch, made of ⅜ inch extra octagon tool steel. Weight, 5 oz. Price, each.....**5c**

Hollow Punches.



Cut showing size of hole cut by Spring Punches.



No. 13080. Spring Punch, for cutting holes in belts, harness, etc. Length, 6 inches; made of cast steel, polished. Tube sizes are 3, 4, 5, 6, 7, 8, 9. State size wanted. Weight, 13 oz. Price, each.....**18c**

We ship Pianos and Organs subject to 20 days' trial. You can have a reputable music teacher give you a professional opinion as to whether the instrument is all that we represent.

No. 13082. Revolving Spring Punch, with four tubes of different sizes. Weight, 14 oz. Price, each.....**40c**

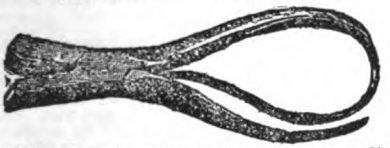
No. 13083. Revolving Spring Punch, with six tubes of different sizes. Weight, 14 oz. Price, each.....**53c**

Drive Punches.

Cut showing size hole cut by Drive Punches.

No. 13084. Hollow Drive Punches. Sizes numbered from 1 to 9. Weight, 4 oz. Any one size, 1 to 5, price, **7c.** Any one size, 6 to 9, each, **8c.** Size 10, each...**10c**

Conductors' Punches.



No. 13088. Conductors' Punch. Cast steel, polished and nickel plated, assorted holes, used for punching cards, tickets, etc. Price, each.....**65c.**

No. 13089. Conductors' Punch. Made to order, to cut any letter. Hand made, nickel plated. Not sent C. O. D., and cannot be returned if sent as ordered. Price, each.....**$2.00**

Harness or Belt Rivets.

Size numbers refer to diameter, No. 8 being largest. There are more burrs than rivets in each package. We do not break packages.

No. 13090. Copper Rivets and Burrs. Size No. 8, either ⅜, ½, ⅝ or ¾ inches long. Only one length in a package. Price, per lb. package, **21c**; ½ lb. package.....**12c**

No. 13091. Copper Rivets and Burrs. Size, No. 8. Lengths assorted from ⅜ to ¾ inches in each package. Price, per lb. package, **21c**; ½ pound package.....**12c**

No. 13092. Copper Rivets and Burrs. Size, No. 9. Either ⅜, ½, ⅝ or ¾ inch long. Only one length in a package. Price, per 1 lb. package, **22c**; ½ lb. package.....**14c**

No. 13093. Copper Rivets and Burrs. Size, No. 9. Lengths assorted from ⅜ to ¾ inch in each package. Price, per 1 lb. package, **22c**; ½ lb. package.....**14c**

No. 13094. Copper Rivets and Burrs. Size, No. 10. Either ⅜, ½, ⅝ or ¾ inch long. Only one length in a package. Price, per 1 lb. package, **24c**; ½ lb. package.....**15c**

No. 13095. Copper Rivets and Burrs. Size, No. 10. Lengths assorted from ⅜ to ¾ inch in each package. Price, per 1 lb. package, **24c**; ½ lb. package.....**15c**

No. 13096. Copper Rivets and Burrs. Size, No. 12. Either ⅜, ½, ⅝ or ¾ inch long. Only one length in a package. Price, per 1 lb. package, **26c**; ½ lb. package.....**16c**

Rivet Sets.

No. 13098. Rivet Set for setting the burrs on above rivets. No. 7 can be used for smaller rivets, but the No. 10 won't work on larger rivets. The sets are **just right** for the rivets of same number. Sizes either 7, 8, 9 or 10. Price, each.....**12c**

Slotted Rivets.

Slotted clinch Rivets are very popular, as no set or other tool is required except a common hammer. Put up in packages containing 100 rivets. We do not break packages. Made of coppered annealed steel.

No. 13100. Size No. 9. Slotted Rivets. Either 5-16, 6-16, 7-16 or 8-16. Only one size in package. Price, per package of 100 rivets, either size.....**10c**

No. 13101. Size, No. 9. Slotted Rivets. Assorted lengths. Price, per package of 100 rivets.....**10c**

Steel Stamps.

No. 13109. Steel letters and figures for stamping tools, etc. Mark your tools so you can always identify them. An alphabet consists of 26 letters, 1 period and 1 &. Sizes given indicate the length of letter which the stamp makes.

Size letter,	⅛	3/16	¼	⅜
Price, each	$0.05	.06	.08	.12
Per alphabet	1.30	1.70	2.20	3.50

No. 13110. Steel figures.

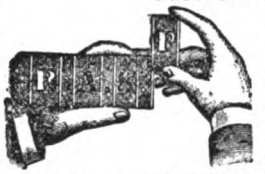
Size,	⅛	3/16	¼	⅜
Price, each	$0.05	.06	.08	.12
Per set of 9	.40	.50	.65	1.00

No. 13111. We can furnish a number of letters in one stamp. These stamps are made to order, which requires three or four days' time in busy seasons. Be very careful in ordering these stamps, as they will not be taken back if sent as ordered.

⅛ inch letters, each letter costs.....**20c**
3-16 inch letters, each letter costs.....**25c**
¼ inch letters, each letter costs.....**38c**

Cash in full must accompany orders for No. 13111 stamps.

Stencil Sets.



Interchangeable Stencils, put up in fonts of letters assorted by printers' rules. We cannot break fonts nor change the assortment. As put up they will make any ordinary name. They are made of spring brass and will not curl up.

No. 13112. Font No. 1, 55 pieces, consisting of letters, periods, etc.

Size, inches,	½	¾	1	1½
Per font	$0.45	.50	.55	.72

No. 13113. Font No. 2, 70 pieces, consisting of letters, periods, figures, etc.

Size, inches,	½	¾	1	1½
Per font,	$0.60	.65	.70	.93

Bench Screws.

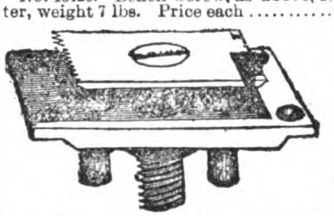
Wrought iron Bench Screw, patent collar, double thread, wood handle, length under collar, 15 inches.

No. 13118. Bench Screw, as above, 1 inch in diameter, weight 4¾ lbs. Price each.....**25c**

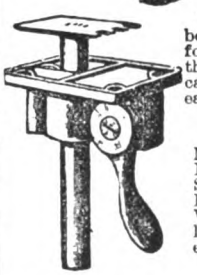
No. 13119. Bench Screw, as above, 1⅛ inch in diameter, weight 6 lbs. Price each.....**32c**

No. 13120. Bench Screw, as above, 1¼ inch in diameter, weight 7 lbs. Price each.....**36c**

Bench Stops.



No. 13121. Bench Stop, reversible cast steel head, screw adjusting, weight 1 lb. Price each..**30c**



No. 13122. A ⅝ inch hole is bored through bench. The device for holding stop is fastened under the bench. The head is of solid cast steel. Weight 1¾ lbs. Price each.....**48c**

13123

No. 13123. Morrell's Patent Screw Set Bench Stop Weight, 1 lb. Price each...**43c**

Eccentric Clamp.

This Clamp is manufactured from the best quality of malleable iron; its main bar, or shaft, being double flanged upon each side, gives it the required strength without excessive weight.

The clamping arm, or jaw, is so adapted to the **H** shaft as to slide loosely upon it, or fasten immovably at any point the instant opposing pressure is brought to bear against it from the eccentric.

Thus, by placing the adjustable foot of the eccentric bolt against the work to be clamped, and moving the jaw up the shaft to oppose it, then simply raising the eccentric lever, the work is instantly clamped with all the power desirable, and with many advantages over the slow operating screw.

First, The work is accomplished with much greater facility, and with at least equal efficiency.

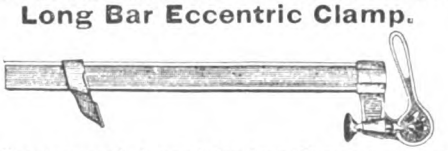
Second, The liability of slipping and displacement of the work by turning a screw against it is wholly obviated by the direct application of lever power.

Third, By the automatic adjustment of the foot, or bearing, it can be used upon beveled surface with the same facility as upon those that are square or right angular.

No. 13125. Eccentric Clamp.

No. 0 opens 2½ inches. Each.....**18c**
No. 1 opens 4 inches. Each.....**24c**
No. 2 opens 6 inches. Each.....**33c**
No. 3 opens 8 inches. Each.....**42c**
No. 4 opens 12 inches. Each.....**52c**

Long Bar Eccentric Clamp.



The increased demand for long Clamps by manufacturers of cabinet and undertaking goods is fully met by this Clamp. No other clamp made can equal it for strength, convenience and ease of adjustment, clamping instantly any width of work. Our Extra Heavy Clamp is exactly one-half heavier than our Heavy Clamp.

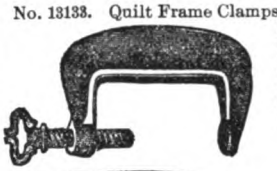
No. 13127. Cabinet Makers' and Builders' Heavy Clamp, each—

12-in., $0.54;	24-in., $0.72;	48-in., $1.08;	72-in., $1.44
15-in., .58;	30-in., .81;	54-in., 1.17;	78-in., 1.53
18 in., .63;	36-in., .92;	60-in., 1 26;	84-in., 1.62
21-in., .67;	42-in., 1.00;	66-in., 1.35;	90-in., 1.71
		96-in., $1.80	

No. 13128. Cabinet Makers' and Builders' Ex. Heavy Clamp, each—

12-in., $0.78;	24-in., $1.06;	48-in., $1.60;	72-in., $2.16
15-in., .85;	30-in., 1.19;	52-in., 1.74;	78-in., 2.29
18-in., .94;	36-in., 1.33;	60-in., 1.88;	84-in., 2.44
21-in., .98;	42-in., 1.47;	66-in., 2.02;	90-in., 2.57
		96-in., $2.70	

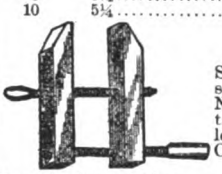
Clamps.



No. 13133. Quilt Frame Clamps, japanned malleable iron, intended especially to hold quilt frames, but are convenient for many purposes; opens 2¼ inches. Price, each... **3c**; Per doz.....**33c**

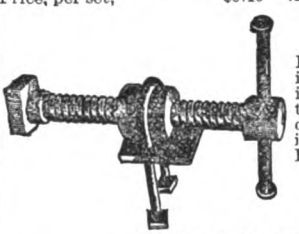
No. 13134. Malleable Iron Screw Clamps, swivel head, **wrought iron screw.**

Opens, inches.	Weight, lbs.	Price, each.
4	1½	**$0.16**
5	1¾	**.19**
6	2	**.24**
7	3	**.29**
8	3¼	**.32**
10	5¼	**.41**



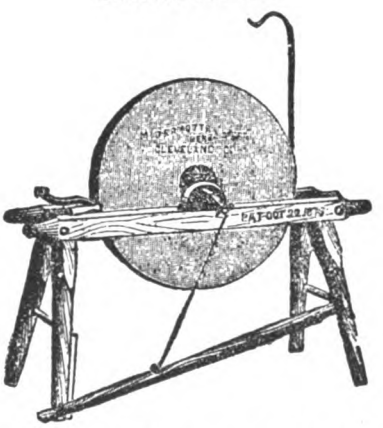
No. 13135. Wood Hand Screw Clamps, well made of seasoned hardwood stock. Never put oil of any kind on the screws; graphite or black lead is the proper thing to use. Cut shows complete set.

Length of jaw, inches,	8	10	12	16	20
Length of screw,	10	12	14	18	24
Size of jaw, inches,	1⅝	1¾	1⅞	2¼	2⅝
Price, per set,	$0.16	.20	.23	.33	.43



No. 13136. Clamp Head, wrought iron screw, revolving head, double thread, iron handles, diameter of screw 1 inch.
Price, each.....**65c**
1⅛ inch.....**90c**
1¼ inch.... **$1.00**

Grindstones.



No. 13142. Grindstone, complete with oak frame, foot power, crank and fixtures, as illustrated. It is taken apart for shipping, but it is quickly and easily set up, as nothing but bolts are used. The usual thickness of stones is from 1¾ to 2¼ inches. Nothing but a select grade of first quality stones are used.

No. 1 stone weighs 100 to 110 lbs. Price, each..**$2.25**
No. 2 stone weighs 70 to 80 lbs. Price, each.... **2.15**
No. 3 stone weighs 40 to 50 lbs. Price, each.... **2.00**

No. 13143. Unmounted Grindstones of the best quality Berea or Huron grit, without frame or fixtures of any kind. Weights are from 40 to 200 lbs. Price, per lb.....**¾c**

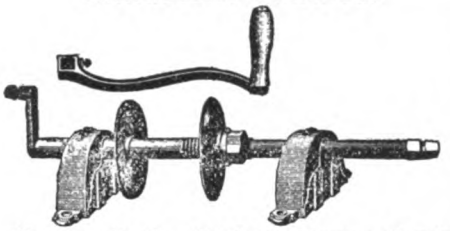
We allow a discount of three per cent. where full cash accompanies order. Our C. O. D. terms are also very liberal. We are willing to meet you half way to get a share of your trade.

Digitized by Google

Kitchen Grindstone.

No. 13144. Kitchen Grindstone with water trough and frame as illustrated, solid stone, 8 inches in diameter; not a wood wheel covered with sand but a practical, serviceable tool that will put a keen edge on all kinds of tools.
Price, each.....**60c**

Grindstone Fixtures.



No. 13145. Cast iron Grindstone Fixtures. By using this fixture, stone is quickly centered and hung. No danger of splitting stone as is the case when a common shaft is used and held with wood wedges.

Shaft, inches long,	15	17	19	21
For lb., stone,	40	60	80	100
Price, each,	$0.25	.28	.30	.35

OIL CANS.

No. 13146. Size

Size	0	1	2	4	5
Price, each	$0.04	.05	.06	.08	.10
Price, per doz	.40	.50	.60	.80	1.10

No. 0 is small, 2 inches across bottom and holds about ⅛ pint. No. 5 is 4¾ inches across bottom and holds about one pint. The others are graduated between. The weights vary from 4 to 7 oz.

No. 13146½. Automatic Zinc Oiler. This oiler cannot be tipped over like the ordinary zinc oiler. When accidently overthrown it will immediately resume an upright position because of the rounding shape of sides and very heavy bottom; consequently no oil can be accidently spilled from this oiler.

Nos.	1	2	3
Holds, ounces	3	4	6
Price, each	$0.15	.17	.19
Price, per doz	1.62	2.16	2.38

No. 13147. Malleable Iron Oiler; very strong; has patent elliptic steel spring. Weight 10 ounces.
Price, each.....**25c**
Per doz..... **$2.70**

Mowing Machine Oilers.

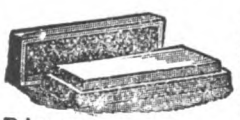
Mowing Machine Oilers, tin, bent or straight spout. Weight, 7 oz.
No. 13147½. Bent spout.
No. 13148. Straight spout.
Price, each.....**7c** Per doz **78c**

Copperized Steel Oilers.

No. 13149. The Celebrated W. & H. Seamless Copperized Steel Oilers are cheap, durable and elegant. They are heavily electro-copper plated on the inside to prevent rust and to prevent the oil from becoming gritty. On the outside they perfectly resemble solid burnished copper. The 9-inch nozzles are bent, all the others are straight. Have clock steel spring bottoms.

Diameter of bottom	2¾	3⅜	3⅜	3⅜	3¾	4⅛	4⅛
Length of nozzle, inches	2½	3	5	9	3	3	9
Price, each	$0.13	.16	.18	.19	.22	.27	.30

OIL STONES.



No. 13150. Washita Oil Stones, mounted in mahogany case, best quality selected stones, soft even grain and will not glaze if used properly; size, 6x1⅞-x1; weight, 22 oz.
Price, each **55c**

No. 13151. Washita Oil Stone, mounted in mahogany case, same as above only larger; size 7x1⅞x1; weight, 25 oz. Price, each.....**60c**

No. 13152. Washita Oil Stone, without case, same quality as above; weighing about 1 lb. Price, each.**30c**

No. 13153. Washita Oil Stone, without case, same quality as above, weighing about 1½ lbs.
Price, each **45c**

No. 13154. Hindoostan Oil Stone, without case, weighing about 1 lb. Price, each.....**10c**

No. 13155. Hindoostan Oil Stone, without case, weighing about 1½ lbs. Price, each.....**15c**

For emery stones, see emery goods department.

Oil Stone Slips.

No. 13156. Round Edge Washita Slips, same quality as our Washita Oil Stones, from 3½ to 5 inches long.
Price, each.....**25c**

Glass Cutters.

No. 13182. Revolving Steel Wheel Glass Cutter, metal handle polished and bronzed, extra quality cutting wheel. Price, each.....**5c**
Per doz.....**50c**

No. 13183. Revolving Steel Wheel Glass Cutter, bronzed, with knife sharpener, cork screw and can opener combined. Price, each.....**6c**
Per doz.....**60c**

No. 13186. Genuine Diamond Glass Cutter, for glaziers' use. Price.....**$4, $5, $7** according to size and quality.

No. 13188. The Gem Soldering Casket consists of a small soldering copper, a scraper, a bar of solder and a box of rosin, all in a neat wood box with sliding cover. Weight, 1 lb. Price, each.....**35c**

No. 13188½. The **Acme** Soldering Set consists of a small soldering copper, a piece of wire solder and a box of powdered rosin, packed in a paper box with full directions for use in mending tinware, etc. Weight, 5 oz.
Price.....**10c**

Soldering Coppers.

No. 13189. Soldering Coppers, with square points for common use. When ordering give number wanted, but **don't state weight.**

No.	1½	2	3	4	5	6	8
Weight, lbs. each	¾	1	1½	2	2½	3	4
Price, each	$0.18	.27	.35	.47	.59	.70	.95

No. 13190. Soldering Copper Handles, Basswood, with wire ferrules.

Price, each.....**3c**
Per doz.....**25c**

Tinners' Snips.

No. 13192. Cast Iron Tinners' Snips, are suitable for those who only occasionally have use for tin snips; they cannot be sharpened and are not guaranteed; cut 3 inches; weight, 1¾ lbs. Price, each.....**35c**

No. 13193. Tinners' Snips, good enough for anybody; same as used by tinners everywhere; no cast iron about these goods; cut 3 inches; weight, 1¾ lbs.
Price, each.....**$1.20**

No. 13198. Tinners' Fire Pot, with shaking grate, hinged hearth door. The only double damper, reversible flue, tinners' stove made. When the fire is well started shut the front damper and open the back damper. This gives a downward draft directly on the coppers concentrating the heat where it is required.
Price, each. **$2.00**

Solder.

No. 13199. Tinners' Solder, strictly half and half; bars weigh from 1¼ to 1½ lbs.; please notice a bar costs from 18 to 21c. Price, per lb..... **14c**

Prices of metal are constantly fluctuating; we can't guarantee these prices on coppers and solder for the season. At all times we sell as cheap as possible, and should there be an extreme advance we should write you before filling order.

Blow Pipe or Torch for Gasoline.

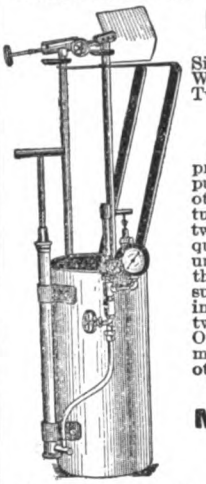
No. 13200. With this torch large or small flame can be used as desired. Made of brass, highly polished and lacquered. It is small enough to go in a tool bag, and is a favorite with electricians, painters, gasfitters, plumbers, etc. Price, each....**$2.00**

No. 13201. A complete tool for soldering, brazing, burning paint, melting metals; for heating soldering coppers, frozen pipes, heavy soldered joints, etc., etc.

A convenient, durable, reliable tool, adapted for a hundred purposes. Simple and safe in operation.

Each tested before leaving our factory and warranted. This Blow Pipe, with an established reputation, exceeds all others for strength, results and general excellence.
Price, each.....**$3.00**

Hot Blast Brazer.



Most powerful machine made. Simple, durable, economical. Warranted to give satisfaction. Two burners.

Points of Superiority.

Our tank is tested to 200 lbs. pressure to the square inch. Our pump is attached to tank solid; others connected with rubber tube. Can pump up pressure in two minutes; five minutes required by others. Can work under 100 lbs. pressure. Can thereby braze under 100 lbs. pressure. Can braze with one flame in one minute; more time and two flames required by others. Our machine costs double to make, and sold at same price as others.

No. 13202. Price, each.**$18.75**

MASONS' TOOLS.

Trowels.

No. 13203. Masons' Brick Trowel, London pattern, cast steel polished.

Inches,	10	11
Price, each	$0.40	.50

No. 13204. Pointing Trowel, same shape as brick trowel, only smaller, cast steel polished.

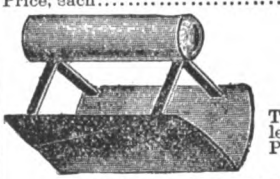
Size, inches,	4	5	6
Price, each	$0.17	.20	.25

For other trowels see index.

Plastering Trowels.

No. 13205. Plastering Trowel, cast steel polished.

Inches,	10	11	12
Price, each	$0.40	.50	.65

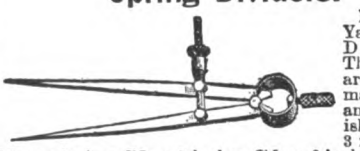


Corner Trowels.

No. 13206. Corner Trowel, cast steel; length, 6 inches.
Price, each.....**50c**

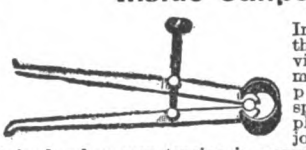
MACHINISTS' TOOLS.

Spring Dividers.

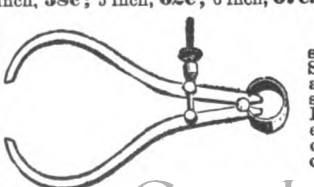


No. 13212. Yankee Spring Dividers. These dividers are very finely made goods and nicely finished. Length 3 inches, each **66c**; 4 inches, **70c**; 5 inches, **74c**; 6 inches, **76c**.

Inside Calipers.



No. 13213. Yankee Inside Calipers, like the above spring dividers, are fine tools made on scientific principles, the spring being so applied that a firm joint is always maintained and an even tension is secured, whether the legs are closed or open to their full extent. Back lash in these calipers and dividers is impossible. Price, 4 inch, **58c**; 5 inch, **62c**; 6 inch, **67c**.



No. 13214. Outside Calipers. Same description as No. 13213. Inside Calipers. Length, 3 inches, each, **56c**; 4 inches, **60c**; 5 inches, **65c**.

Digitized by Google

Bronze Dividers.

No. 13222. Starrett's Improved Bronze Divider. Nickel Plated.

The head and socket legs of this tool are made from drawn (not cast) bronze metal, and are hard, tough, strong, **finely finished** and nickel plated. The joint is large and firm. Our patent locking nut between the arms, against which a spiral spring acts, is a valuable feature. After the fine adjustment is made, the nut may be turned back, locking spring and arms firmly, thus remedying the weak point in the common wing divider, which is only as stiff as the adjustable spring. The quadrant is fastened by our improved method.

A common pencil fits either socketed leg, while an auxiliary holder fits reversed end of either short point for an extension. The head, with short point, is eight inches long; may be extended two inches more; will caliper 10 inches outside and 12½ inside. With short points will scribe a 24-inch and with long points a 36-inch circle.

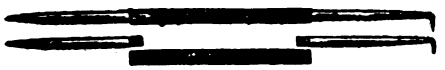
With short points only **$1.75**
Set complete **3.25**

Caliper Square.

This cut represents an improved tool for both outside and inside measure. The beam is nicely graduated, 64ths on one side, 100ths on the other. For close work this is a reliable tool.

No. 13223. 4 inch, with adjustable screw.
Each **$3.60**
No. 13224. 4 inch, without adjustable screw.
Each **$2.92**

Scriber.

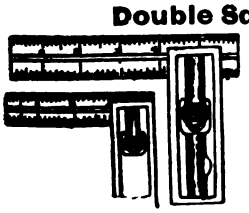


No. 13226. Scriber for mechanics' use, made in three pieces, the center piece being heavily knurled, into which is screwed the two points which are made of fine steel, nicely tempered; is 7 inches in length. Each, **35c**

Depth Gauge.

No. 13228. Depth Gauge for machinists' use. The back is made from sheet steel, nicely polished; the edge is ground straight so that by removing the needle it may be used as a straight edge, as one edge of back is beveled and one side of needle is ground away, bringing the point of needle directly under edge of back; it may be rocked, thus determining the depth of hole or slot more accurately than can be done with a tool having a broad base. Price, each **18c**

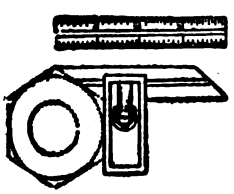
Double Square.



No. 13232. Patent Double Square. This Square is conceded the most practical one for machinists and fine tool makers' use ever offered. The sliding scale, shortened or extended full length, makes it more valuable than a full set of common kind, while with the extra bevel blade, shown in the following cut, we have both the hexagon and octagon angles.

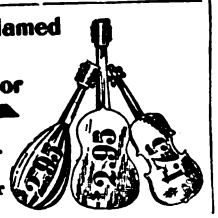
The seat against which the blade is clamped being convex, should corners of the blade get injured, the accuracy of the square is not affected. 4 inch, each, **$1.10**; 6 inch **$1.80**

Bevel Blades.



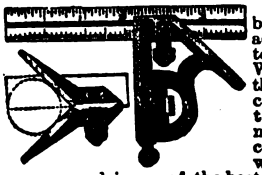
No. 13233. This cut represents the 4 inch and 6 inch double square, with hexagon end of blade applied. Reverse it and the octagon is in position for use. Bevel blades are made to fit only 4 inch and 6 inch sizes. These prices below are for the bevel blades only, and can not be used without the above square. 4 inch, each, **32c**; 6 inch **42c**

When Such Prices Are Named
— ON A —
Violin, a Guitar, or a Mandolin



Dealers say the goods are cheap. Don't be deceived. Look at the goods and judge for yourself before paying.

Starrett's Combination Square.

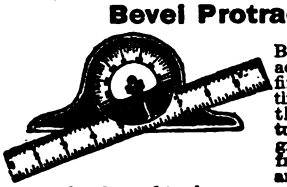


No. 13234. Patent Combination Square with the adjustable scale. Every tool warranted accurate. With the adjustable scale this forms one of the most convenient and useful tools ever devised for mechanics' use. One is a complete substitute for a whole set of common try-squares, and is one of the best gauges made for transferring exact measurements or laying out work. It is also convenient for a depth gauge, or to square in a mortise. For a mitre it is perfect, while with the auxiliary center head it forms a centering square, both inside and outside, which for convenience and accuracy has no equal. Made in three sizes with center head and level. Each, 6 inch, **$1.55**; 9 inch, **$1.95**; 12 inch, **$2.32**.

Starrett's Combination Inclinometer.

No. 13235. Patent Inclinometer, Try-Square and Bevel Protractor Combined. This cut represents an Inclinometer, try-square and bevel protractor combined. It is compact, convenient and a complete and perfect substitute for several costly tools. It consists of a stock and disc, both slotted to receive the blade, which folds in the stock. The blade attached to the graduated rotary disc may be secured at any angle from 0 to 90 degrees, and by loosening the clamp screw it may be shortened or extended full length, or removed for a straight edge. The working face of the stock, extending both sides of the blade, admits of its being reversed, so that the same angle may be laid off in opposite directions **without changing** the angle in the tool, thus requiring but ¼ of a graduated circle to obtain all angles both ways. At 90 degrees, the blade brings up against a case hardened screw, accurately adjusted, thus forming a **try-square**; by holding the blade perpendicular (the level in the stock being at right angles), a **plumb**; by folding the tool, a **level**, length of blade. Open it to any degree, and work may be leveled to that incline. Each, 12 inch blade, **$4.50**; 18 inch, **$5.40**; 24 inch, **$6.30**.

Bevel Protractor.

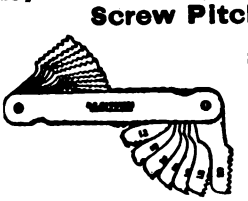


No. 13236. Improved Bevel Protractor. An adjustable rule, held firmly at any point by a thumb nut, passes through a revolving turret which is nicely graduated in degrees from 0 to 90, both right and left, and can be accurately adjusted to show any angle. A valuable auxiliary is made in the shape of a small level to be attached in place of the rule removed, forming an adjustable level to show any degree, thus greatly increasing the usefulness of the instrument. Each, 9 inch rule, 5 inch head, **$2.33**; 12 inch rule, 7 inch head, **$2.52**; 18 inch rule, 7 inch head, **$3.10**; 24 inch rule, 7 inch head, **$3.49**.

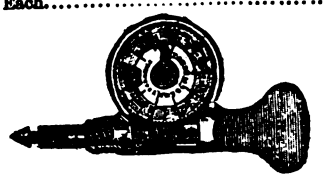
Universal Bevel.

No. 13237. Improved features. The set-off in the blade increases its capacity and usefulness for bevel gear work, etc., so that any angle however slight, may be obtained. Another valuable feature is, one edge of the case being solid forms a rest directly under the blade, where thin templets may be placed and accurately fitted. Price, 3 inch ... **$1.30**

Screw Pitch Gauge.



No. 13238. Improved Screw Pitch Gauge. This gauge has twenty pitches, viz: 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40. This is the only gauge made that can be used inside a nut as well as on the outside of a screw or bolt. A further improvement has recently been made in reducing the width of the leaves having the finer pitches, so that they will enter small nuts. Each **75c**



No. 13239. Speed Indicator. The Tabor Revolution Counter, with stop motion. A good, simple speed indicator. Each, **90c**; postage, 5c.

MEN'S FINE TAILOR-MADE CLOTHING.
See Pages 156 to 166.
YOU WILL NEED NO FURTHER URGING THAN
THE PRICES WE NAME.

WHAT THE PEOPLE SAY.

More Than Pleased With Quality and Fit.

MARSHFIELD, Ore., Dec. 19, 1896.

MESSRS. SEARS, ROEBUCK & CO., No. 82-96 Fulton St., Chicago, Ill.

Gents:—Inclosed find 15 cents, for which please send me your big 600 page catalogue.

Yours respectfully, F. E. LANG.

P. S.—The suit of clothes invoiced T14695 has just arrived. The party for whom I ordered it is more than pleased with the quality and make-up of the goods. Respectfully, F. E. L.

Well Pleased With Our Goods.

PINE RIVER, Wis., Dec. 21, 1896.

SEARS, ROEBUCK & CO.

Gentlemen:—The suit I ordered received in good shape; would say that I am well pleased with your goods. Will send another order soon.

I am yours truly, MATT WESTOVER.

Wants More of Our Bargain Samples.

IATAN, Tex., Dec. 12, 1896.

SEARS, ROEBUCK & CO., Chicago.

Gents:—The suit of clothes received O. K., and are perfectly satisfactory. I will try and send you another order soon. Send me some of your best bargain samples. Yours truly, H. R. LOOBY, Agt.

One Order Invariably Leads to Another.

CAIRO, Dec. 22, 1896.

SEARS, ROEBUCK & CO., Chicago.

Gentlemen:—I have received the coat and am very well pleased with it. It fits perfectly, and I will also give you an order for a suit after awhile.

Yours truly, WARD CLARK.

Pleased With Mackintosh.

PEDRO, Mo., Dec. 27, 1896.

SEARS, ROEBUCK & CO.

Gents:—Mackintoshes received all O. K. Well pleased with them. Send me your large catalogue, and oblige, E. M. SACKETT.

More Than Pleased With It.

FLOTANIA, Tex., Dec. 29, 1896.

I have received my coat which I ordered, and I am more than pleased with it. I think that I can do a great work for the house in this part of the state.

Yours for the good of the house, G. H. HOLMES.

"I Do Not See How You Can Put up a Suit Like That for the Money."

LEHIGH, I. T., Dec. 28, 1896.

SEARS, ROEBUCK & CO., Chicago, Ill.

Gentlemen:—My suit (Inv. No. T28712) received. I am more than pleased. I do not see how you can put up a suit like that for the money. It is the best fit in pants I ever had. Accept my thanks. I shall send you another order shortly. Respectfully, H. E. BERNER.

Suit a Perfect Fit.

SO. PRESQUE ISLE, Me., Dec. 29, 1896.

SEARS, ROEBUCK & CO., Chicago, Ill.

Dear Sirs:—I have received my clothes. They are a perfect fit. I thank you for your promptness.

Yours truly, GUY L. CRONKHITE.

Suit to His Satisfaction in Every Way.

MESSRS. SEARS, ROEBUCK & CO., 82-96 Fulton St., Chicago, Ill.

Gentlemen:—I take pleasure in acknowledging the receipt of a suit of clothes you sent me and I find it to my satisfaction in every way. I will also send you an order for a friend of mine, if you will please send me some order blanks as soon as possible. I would also like to get one of your book catalogues, if you would send me some. If you will send some more samples I will spread them out to my neighbors. Yours truly, ANDREW OLSON.

Address, ANDREW OLSON,
4129 Colfax Ave., N. Camden Place,
Hennepin Co., Minn.

Suit Better Than Expected.

MODENA, Mo., Dec. 31, 1896.

SEARS, ROEBUCK & CO., Chicago, Ill.

Dear Sirs:—Received suit of clothes all right and they were very satisfactory. Indeed they were better than I expected them to be for the money, and I thank you very much. I have several orders to be sent you by my neighbors, and will do all for your house I can.

Very respectfully, MARY E. MILLER, P. M.

More Than Pleased and Glad to Assist Us.

CHILLICOTHE, Mo., Jan. 1, 1897.

SEARS, ROEBUCK & CO.

Dear Sirs:—The suit and books have arrived in a first-class condition and we are more than pleased with them. They exceeded our expectations and we shall remember you in the future with more orders.

Yours very truly, JOS. CHEMARK.

Pleased Both in Fit and Price.

FARMINGTON, Wash., Dec. 31, 1896.

SEARS, ROEBUCK & CO., Chicago.

Sirs:—I have received the suit ordered from you some time ago, and take this opportunity to inform you that I am well pleased with it both in fit and price.

Respectfully, CHRIS R. EVANS.

Well Pleased and Will Recommend Us to His Neighbors.

ANTWERP, O., Jan. 2, 1897.

Dear Sirs:—Goods received in good condition. Every thing satisfactory. I am so well pleased with my suit that I will do all I can to get you more orders in my neighborhood and recommend your house to all.

Yours truly, SAMUEL LUTZ.

If you have a friend or neighbor who has not received our Catalogue, you will be conferring a favor on him and us by telling him how much benefit it will be to him.

Digitized by Google

Cleavers.

No. 15448. Family Cleavers, with improved malleable iron shanks riveted through handles into heavy iron caps, very strong and durable; 7 inch cast steel blades forged and hardened, is a very handy household article and should be in every one's kitchen. Price, each.....**32c**

Butchers' Cleavers.

Extra cast steel, hickory handles.

No. 15449. Choppers, 7 inch cut, 1½ lbs. Price, each..**60c**

No. 15450. Choppers, 8 inch cut, 1¾ lbs. Price, each.....**70c**

No. 15451. Cleavers, 9 inch cut, 3¼ lbs. Price, each.....**80c**

No. 15452. Cleavers, 10 inch cut, weight 4 lbs. Price, each.....**$1.15**

No. 15453. Cleavers, 12 inch cut, weight 5 lbs. Price, each.....**$1.45**

Coffee Mills.

No. 15675. Arcade Side Mill, medium size, board back, crystallized metal hopper, japanned iron work. Each, **25c**; per case of 6.....**$1.35**

No. 15676. Arcade Favorite Mill; size, 6x6x3¾; white wood box, iron hopper. The lowest price ever named on a coffee mill of any description. Each, **22c**; per case of 6.....**$1.32**

No. 15677. Favorite (small size), raised hopper, no cover, japanned iron, hardwood box. Never before sold for less than 60 cents to our knowledge; usually retails at 75 cents. Best value for the money in the market. Each, **29c**; per case of 6.....**$1.57**

No. 15678. Arcade Favorite, same as No. 15677, only large size, 7x4¼ inches. Each, **35c**; per case of 6.....**$1.89**

No. 15679. Arcade Favorite, retinned hopper, with patent shield, to prevent coffee from snapping out, new patent regulator and pulverizing burr, hardwood box, dove-tailed corners, polished, and finely made. Size, 7x7x4½ inches. Each, **45c**; per case of 6.....**$2.43**

No. 15680. Arcade Favorite, wood top, with iron hopper and cover, similar to cut, hardwood box. Each, **43c**; per case of 6.....**$2.20**

No. 15681. Arcade Favorite, with ornamental top and hinged cover; finely finished, patent regulator and pulverizing burr. Each, **45c**; per case of 6..**$2.43**

No. 15682. Arcade Imperial, sunk hopper, all iron top, hinged cover, hardwood box, dovetailed, and finely finished; has patent regulator and pulverizing burr, largest size made, 7x7x5½ inches. Each, **50c**; per case of 6.....**$2.70**

No. 15683. Imperial, sunk hopper, hinged cover, iron, finished with French gold bronze, white walnut box. Each, **45c**; per case of 6.....**$2.40**

No. 15684. Imperial, sunk hopper, hinged cover, nickel plated trimmings, white walnut box. Each, **58c**; per case of 6.....**$3.14**

Ice Cream Freezers.

No. 15463. **Shepard's Lightning Ice Cream Freezers.** Lightning quadruple motion, automatic scraper, famous wheel dasher, combination hinge top gearing completely covered. Compared with other freezers we find: This **Tub is cedar**; competitors use pine; has round electric welded wire hoop, galvanized; competitors have flat hoops; can is full size and made from **one size heavier tin** than is used in other freezers; cast iron cover with drawn steel bottom; competitors have sheet tin cover and bottom; freezes as quickly as any other in the market, with much less effort. **All parts that come in contact with the cream heavily coated with pure block tin**; all other trimmings smoothly galvanized. **Uses 25 per cent. less ice and salt than any other Freezer.**

Size, quarts,	2	3	4	6	8	10	14
Price, each,	$1.43	1.69	2.00	2.52	3.25	4.42	6.04

Ice Tongs.

No. 15468. Ice Tongs. No. 1 opens 16 inches, steel point, family size. Each.....**48c**

No. 2 opens 18 inches, steel point. Each.....**60c**

No. 3 opens 24 inches, steel point, wagon size. Each.**70c** Weight, about 4 lbs.

No. 15469. Ice Tongs. No. 6, opens 14 inches, with bail top, family size. Weight, about 2¾ lbs. Each.....**40c**

No. 15470. Ice Chisel. 4 prongs, solid steel blade. The very best ice cutter that we know of. Will cut a much larger block than one would suppose. Weight, 9 oz. Each.....**10c**

Ice Shredder.

The operation of our shredder requires no explanation, being simply to draw the blade upon a piece of ice—the pressure applied producing fine or coarse pieces, as desired. To remove the finely cut ice from the cup, grasp the shredder firmly in the right hand and strike it, inverted, upon the left, at the same time being careful to keep the lid closed. Then scrape the ice into some convenient receptacle. It is not necessary to take the ice out of the refrigerator, as you may reach in and fill the cup from the side, end or top of a cake of ice without disturbing anything or wetting your hands. Its use will be appreciated for fruits, drinks, oysters and clams on the half shell, olives, celery, radishes, iced tea, sliced tomatoes, etc., and for many purposes in the sick room. It is also adapted for use in making "snow balls," which are variously flavored and sold to children on the streets and at their schools, also to the general public at fairs. Men engaged in making "snow balls" are making from $5 to $9 per day.

No. 15475. Price, each, tinned.....**50c**

Ice Chippers.

No. 15476. The Star Ice Chipper, iron handle. By the use of this chipper ice can be chipped into small and nearly uniform pieces, the guard projecting beyond the knife, making it impossible to cut off thicker pieces than the space between. Only a minute's time is required to reduce a 15 or 20 pound block of ice; cuts small pieces. Weight, 1¼ lbs. Each.....**25c**

Combined Ice Hatchet, Pick and Chisel.

No. 15477. Combined Ice Hatchet, Pick and Chisel is one of the best combinations we have seen. Made of steel, finely polished and nickel plated, hardwood handle with heavy ferrule; entire length, 14 inches. Price, each.....**50c**

WHAT THE PEOPLE SAY.

Better Suit Than He Could Buy Elsewhere for Much More Money.

ROCKWALL, Tex., Jan.—1897.

SEARS, ROEBUCK & CO.

Kind Friends:—I received that suit of clothes some time ago. I was glad to get them. They were all right and a better suit than I could have got here for a right smart more money. I received them and paid for them. I have been thinking I would write to you sooner, but haven't done it until to-day. Yours respectfully,

W. A. PRESCOTT.

We Try to Make Every Order Satisfactory.

SINNAMAHONING, Pa., Dec. 30, 1896.

MESSRS. SEARS, ROEBUCK & CO., Chicago, Ill.

Gentlemen:—It affords me pleasure to write you again, thanking you for your promptness in regard to the suit of clothes ordered. It came on Christmas morning and in due time, and will say it was perfectly satisfactory in every way. Now if everything goes as I expect you will receive another order from me some time in next month. Again thanking you,

I am yours very truly,

N. H. MCCLOSKEY.

P. S.—Mrs. Mc. would like if you would send her some samples of henriettas, cashmere, serges; dark green.

Very Well Pleased With Overcoat.

SPICER, Minn., Dec. 28, 1896.

SEARS, ROEBUCK & CO., Chicago, Ill.

Gentlemen:—Accept my best thanks for the overcoat which I have received, and I am very well pleased with it. Yours truly,

O. E. CLAUSSON.

"I Don't See How You Can Make Anything Selling at the Price."

EAST PEMBROKE, Dec. 26, 1896.

SEARS, ROEBUCK & CO.

Sirs:—My suit received last night, the 25th, and was very much pleased with them. I don't see how you can make anything selling at the price. **Coat** is a nice fit. Please print my testimony in your catalogue.

Yours truly, HENRY MEYERS.

Highly Pleased With Suit.

GRAND HAVEN, Mich., Dec. 24, 1896.

SEARS, ROEBUCK & CO., Chicago, Ill.

Gentlemen:—I received the clothes invoiced **No.** 283960 all **O. K.** Everything all right, and highly pleased with same. Yours truly,

WM. L. PHILLIPS.

Surprised at Such a Bargain and Complimented On All Sides.

ASHEVILLE, N. C., Dec. 24, 1896.

MESSRS. SEARS, ROEBUCK & CO., Chicago, Ill.

Sirs:—I beg to say that overcoat No. 1004 arrived in good order, and that I am highly pleased with it. The material and workmanship is simply excellent, and notwithstanding your ability to do just what you say, I was certainly surprised at such a bargain as you gave me. I get compliments on all sides about my fine overcoat. Many thanks,

A. M. GOODMAN.

We Surprise Our Customers With the Value We Give in Clothing.

WEST PIKE, Pa., Dec. 20, 1896.

SEARS, ROEBUCK & CO.

Dear Sirs:—The clothes came to hand O. K., and they are far better than I expected they would be. By the way, I stepped into a clothing store, and the proprietor asked me who made my suit and what it cost, and I said you tell. Oh, he says, they are a $40 suit. Yes, I am very well pleased. Please send samples of dress goods for fall and winter. Yours,

J. S. BARTE.

We Always Give the Full Worth of Your Money.

CORTLAND, N. Y., Dec. 28, 1896.

SEARS, ROEBUCK & CO.

Gentlemen:—The clothes arrived O. K., and are a good fit all around, and, I think, well worth the money they cost. I have shown them up, and I think you will get more orders by so doing. Wishing you a happy and prosperous New Year, I remain,

Respectfully yours. R. G. LEWIS.

TAILOR MADE SUITS FOR Ladies' and Gentlemen.

High Art. Latest Style Goods.

Made by the most expert tailors that money will employ.

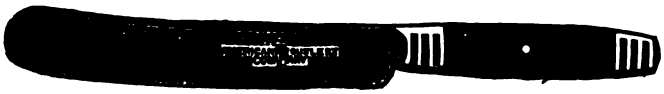
Elegantly Trimmed, and the most Fashionable Cut.

Any of these Ladies' Suits for $4.50.
See Dry Goods Department.

Either style Men's Suit in fine Clay Worsted, $6.50.
See page 160.

See how it pays to buy from the maker.

Digitized by Google



No. 14713. Fancy double link bolster, cocobolo handles, Knives and Forks. Per set 6 knives and 6 forks, $1.65.
No. 14714. Same as No. 14713, with ebony handles. Per set 6 knives and 6 forks, $1.75.
No. 14715. Same as No. 14713, with bone handles. Per set 6 knives and 6 forks, $2.00.

No. 14716. Fancy shape blade, cocobolo handles, Knives and Forks, with fancy double bolster. Per set 6 knives and 6 forks, $1.65.
No. 14717. Same as No. 14716, with ebony handles. Per set 6 knives and 6 forks, $1.75.
No. 14718. Same as No. 14716, with bone handles. Per set 6 knives and 6 forks, $2.00.

No. 14719. Imitation stag handle, double bolster, Knives and Forks, sway back. Per set 6 knives and 6 forks, $1.75.

No. 14729. Hard rubber handles, Knives and Forks, medium blades. Per set 6 knives and 6 forks, $2.80.
No. 14730. Hard rubber handle, dessert Knives and Forks. Per set 6 knives and 6 forks, $2.50.

No. 14731. Hard rubber handles, Knives and Forks, medium blades. Per set 6 knives and 6 forks, $2.95.
No. 14732. Hard rubber handle, dessert Knives and Forks. Per set 6 knives and 6 forks, $2.65.

CHILD'S SETS.

No. 14737. Child's Set, 1 knife and 1 fork, no bolster. A strong, well made set, best finish, cocobolo handle. Per set, 10c.

No. 14738. Child's Set, 1 knife and 1 fork, no bolster, bone handle. A set which will please any child. Per set, 14c.

No. 14747. Emery Knife Sharpener. A solid shaft of emery, secured in a handle by a steel rod extending the entire length. Each, 15c.

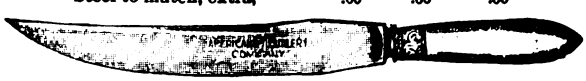
CARVERS.

No. 14748. Celluloid handle Carvers. Blades of best steel, finely finished; a strong and neat design. Set consists of knife, fork and steel to match.

Length of blade, inches,	8	9	10
Price, per set,	$2.30	2.50	2.65

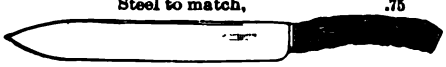
No. 14749. Grained celluloid handle Carvers, with difficulty distinguished from ivory, which it will outlast. Blades of best steel, finely finished. Pair consists of knife and fork.

Length of blade, inches,	8	9	10
Price, per pair,	$2.40	2.60	2.90
Steel to match, extra,	.60	.60	.60



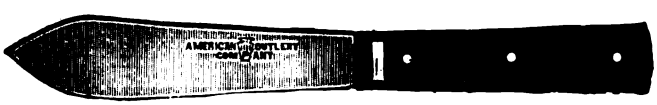
No. 14750. Celluloid handle Carvers, with German silver ferrule. A carver with best steel blade and every merit of beauty and finish. Pair consists of knife and fork.

Length of blade, inches,	8	9	10
Price, per pair,	$2.85	3.15	3.45
Steel to match,	.75	.75	.75



No. 14756. Stag handle Carver. Neat design, best steel blade, nickel plated capped end, finely finished, 9 inch blade. Pair consists of knife and fork. Price, per pair, $1.05; steel to match, 45c.

BUTCHER KNIVES.



No. 14760. Cocobolo handle Butcher Knife, 6 inch steel blade, 3 rivets in handle. Price, each, 12c; per doz., $1.30.

No. 14761. Single bolster Butcher Knife, cocobolo handle, well riveted, 6 inch steel blade. Price, each, 28c.

No. 14762. Double bolster, cocobolo handle, Butcher Knife, 6 inch steel blade. Price, each, 20c; per doz., $2.15.

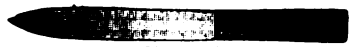
No. 14763. Butcher Knife, cocobolo handle, single bolstered and strongly riveted, best steel blade.

Length of blade, inches,	6	7	8	9	10	12	14
Price, each,	$0.25	.30	.40	.50	.60	.80	1.05

GENUINE WILSON'S BUTCHER KNIVES.—Stamped I. Wilson.

No. 14768. Wilson's Butcher Knives, beechwood handles.

Size, inches,	5	5½	6	7	8	10
Price, each,	$0.20	.22	.25	.32	.40	.62

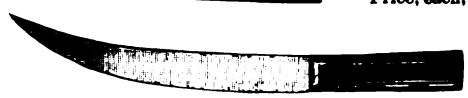


No. 14769. Wilson's Sticking Knives, beechwood handles.

Size, inches,	5½	6	6½
Price, each,	$0.22	.25	.28

No. 14770. Wilson's Skinning Knives, beechwood handles.

Size, inches,	6	6½
Price, each,	$0.25	.28



No. 14771. Wilson's latest pattern Boomerang Steak Knife. Beechwood handle.

Blade, inches,	10	11	12
Price, each,	$0.65	.80	.95

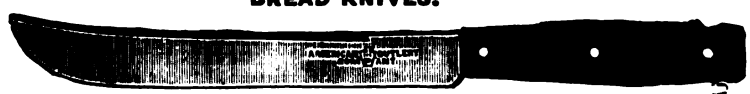
BUTCHERS' STEEL.

No. 14772. Butchers' Steel. Cocoa handle, very best material and finish.

Length, inches,	10	12	14
Price, each,	$0.75	.95	1.10

No. 14773. Butchers' Steel. Stag handle, finest quality, best finish. Length, 12 inches; price, $1.

BREAD KNIVES.

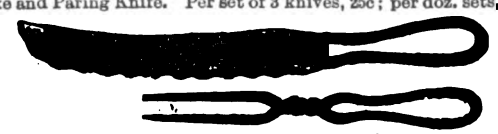


No. 14776. Bread Knife. Cocobolo handle, best steel blade, finely finished. Each, 25c; per doz., $2.60.

No. 14777. Bread Knife. Polished steel blade, firmly set in hardwood handle Each, 12c; per doz., $1.25.

CRISTY PATTERN KNIFE SETS.

No. 14778. No crumbling. No grumbling. There are others but none so keen. Every blade warranted to be made of the best crucible steel, every one a cutter. Bread, Cake and Paring Knife. Per set of 3 knives, 25c; per doz. sets, $2.70.



No. 14782. Wire Handled Carving Sets. Blade of best steel firmly fastened to the handle. An excellent set for carving meats of all kinds. Per set, 30c; per doz. sets, $3.35.

KITCHEN KNIVES.

No. 14783. Wood handle Paring Knife. Blade of best steel. Each, 8c; per doz., 80c.
No. 14786. Shoe Knife. Best steel blade, square point, brass ferrule, hardwood handle. Each, 10c; per doz., $1.10.

PUTTY KNIVES.

No. 14790. Putty Knife. Solid cocobolo handle, square point blade 3¾ inches, best steel, has bolster, and is strongly riveted. Each, 18c; weight, 4 oz.

Digitized by Google

SHEARS AND SCISSORS.

We handle only the best quality of goods in this line and invite comparisons as to durability and workmanship. Weights vary from 3 to 20 ounces. Postage is 1 cent per ounce. All these goods go by express C. O. D., subject to examination, on receipt of $1.00; balance and express charges payable at express office. 3% discount for cash in full with order.

No. 14796 Nail Scissors for trimming nails on both hands and feet. Best cast steel, highly tempered, nickel plated, 4 inches. Each.....40c

No. 14797 Manicure Scissors, made of best steel, highly tempered, nickel plated, curved ends. Each.....50c

No. 14798 Buttonhole Scissors, nickel plated, with inside set screws to adjust blades for cutting, best steel, 4½ inches. Each.....45c

No. 14799 Buttonhole Scissors, with adjustable thumb screw, highly polished, fully warranted. Each...33c

No. 14803 Pocket Scissors, best steel, polished, 4 inches. Each, 30c; 4½ inches.....35c
No. 14804 Pocket Scissors, polished, 4 inches. Each..20c

No. 14805 Ladies' Scissors, best steel, nickel plated, 4½ inches, each, 30c; 5 inches.35c
No. 14806 Ladies' Scissors, polished. 4½ inches. Each.20c

No. 14807 Embroidery Scissors, best steel, nickel plated. Each 30c

No. 14808 Fancy Embroidery Scissors, nickeled blades, gilt handles, best quality. Each.....35c

No. 14809 Nickel Plated Scissors, all steel blades of the best quality and finish.

Size, inches,	4½	5	6	7
Price, each,	$0.30	.40	.45	.53

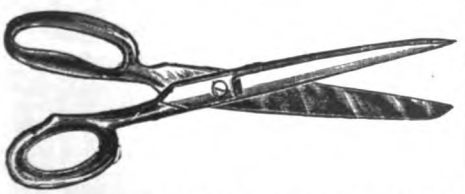
No. 14810 Fancy Gilt Handle Scissors, nickel plated blades, superior quality and finish. Price. 5 inch, 35c; 6 inch....38c

No. 14816 Heinisch Straight Trimmers, japanned handles, finest laid steel blades. Fully warranted.

Size, inches.....	6	7	8	9	10
Price, each.....	$0.35	.38	.42	.48	.70

No. 14817 Straight Trimmers, japanned handles. First class wearing quality.

Size, inches.....	6	7	8
Price, each.....	$0.25	.29	.42



No. 14818 Heinisch Straight Trimmers, full nickel plated, fully warranted.

Size, inches...	6	6½	7	7½	8	8½	9
Price, each.....	$0.44	.50	.55	60	.65	.70	.75

No. 14819 Straight Trimmers, nickel plated. Good wearing quality.

Size, inches.....	6	7	8
Price, each.....	$0.35	.38	.42

No. 14820 Left Hand Straight Trimmers, nickel plated. Size, 8½ inches. Price, each.....$1.00

No. 14821 Heinisch Bent Trimmers, japanned handles, finest quality. Fully warranted.

Size, inches.....	8	9	10	12
Price, each.....	$0.55	.70	.85	1.05

No. 14822 Bent Trimmers, japanned handles, good quality. Size, 10 inches. Price, each.....55c

No. 14825 Heinisch Barbers' Shears, japanned handles. Best steel, warranted. Size, 8 inches. Price, each.....50c
No. 14826 Full Nickel Plated Barbers' Shears, best quality, every pair warranted. Size, 8½ inches. Price, each.....65c
No. 14827 Left Hand Barbers' Shears, best grade blades, japanned handles. Size, 9 inches. Price, each.....80c

Scissors Sharpener.

No. 14832 Lightning Scissors Sharpener. The only perfect scissors sharpener made. Will sharpen a pair of shears and scissors in ten seconds. Made of hardest steel. Finely finished and nickle plated. Price, each.....15c

Tracing Wheels.

No. 14833 Tracing Wheel, hardwood handle, blue steel wheel, teeth sharp and perfect. Price, each.....$0.05
Per dozen.....45c Per gross..... 4.50

No. 14834 Double Adjustable Tracing Wheel, with set screw, enameled handle.
Price, each, 10c; per dz., 95c; per gross, $10

No. 14835 Metal Handle Tracing Wheel. Finely nickel plated and finished. Made reversible, so when not in use the wheel is entirely inclosed in handle. When lying in a work basket will not injure or become entangled with other articles.
Price, each..... ....10c Per doz..... .. ....95c

POCKET CUTLERY.

For cutting quality, durability and finish our line of pocket cutlery has been selected with a view to meeting the wants of our customers. Our patterns are the latest, **w2rranted knives.** All knives which we warrant are guaranteed to be free from flaws and not too soft, and if found otherwise cau be returned at our expense and exchanged or money refunded. No knife can be returned, however, except it is clean and shows no evidence of abuse. A broken blade must show signs of flaw in the steel or will not be replaced. In this line also we save our customers from 25 to 75 per cent. on retail prices.

Boys' Pocket Knives.

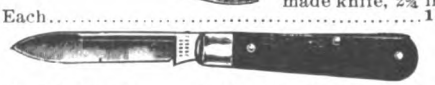
Postage, 4c extra.

No. 14842 Metal Handle Knife, 1 blade, iron lined; a clipper; 2¾ inches. Each.....4c

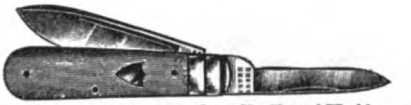
No. 14843 Ebony Handle Knife, 1 blade, iron lined; a good, strong knife, 2⅝ incher. Each.....7c

No. 14844 Metal Handle Boys' Knife, 2 blades, iron lined and capped, 2⅞ inches. Each..8c

No. 14845 White Bone Handle Jack Knife, 2 blades, iron lined; a well made knife, 2¾ ins. Each.....12c



No. 14846 Rosewood Handle Knife, 1 blade, iron lined; a good knife, 3⅜ inches. Each.....15c



No. 14847 White bone handle Boys' Knife, with bolster. Two blades, iron lined, 3½ inches. Each.....18c

No. 14848 Rosewood handle Boys' Knife, 2 blades, iron lined; a keen cutter, 3½ inches. Each.....25c

Men's Jack Knives.

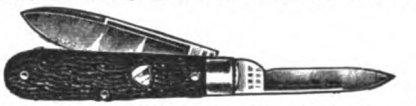
Postage, 5c extra.

No. 14854 Two blade, Rosewood Handle Knife, ir n lined; a serviceable knife, 3¼ inches. Each..... .... 17c

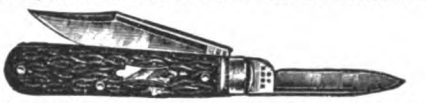
No. 14855 Two Blade, Rosewood Handle Jack Knife, iron lined, 3½ inches. Each.....20c

No. 14856 Two Blade. Stag Handle Jack Knife, iron lined, 3½ inches. Each.. .....22c

No. 14857 Two Blade, Cocoa Handle Knife, with bolster, iron lined, 3½ inches. Each..... ....25c

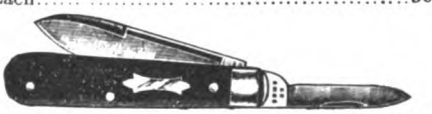


No. 14858 Two Blade, Stag Handle Knife, with bolster, brass lined, 3⅜ inches. Each.....25c

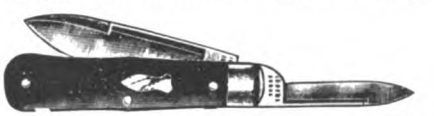


No. 14859 Stag Handle, Clip Blade Knife, with bolster, iron lined. 3⅝ inches. Each.....25c

No. 14860 Two Blade, Ebony Handle Knife, with elongated bolstes, iron lined, 3½ inches. Each.....30c



No. 14861 Two Blade, Ebony Handle Knife, with bolster, iron lined; a large knife, 4 inches. Each 30c



No. 14862 Two Blade, Ebony Handle Knife, with bolster, iron lined; a popular knife, 2¾ inches. Each.....32c

There is a Good Reason to Expect More Orders.

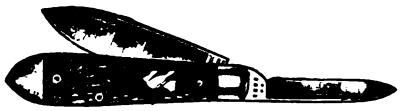
OAKFORD, MENARD CO., ILL.

SEARS, ROEBUCK & CO.,

DEAR SIRS:—The gnn came to hand all O. K. and it is so much better than I expected I am well pleaced with it; you may expect more orders from me before long.

Yours respectfully,
W. O. EMERSON.

Digitized by Google



No. 14863 Two Blade, Cocoa Handle, iron lined, capped end; a durable knife, 3½ inches. Each, 33c

No. 14864 Two Blade, Cocoa Handle Knife, with bolster, iron lined, 3¾ inches. Each.....35c

No. 14865 Two Blade, Rosewood Handle, with bolster, iron lined, 3⅝ inches. Each.....35c

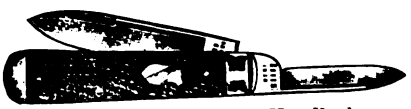
The following men's jack knives are made of Wardlow's fine English steel, every blade hand forged, finely tempered, finished, and fully warranted.

No. 14869 Two Blade, Rosewood Handle Knife, iron lined; a leader, 3¼ inches, warranted. Each, 25c

No. 14870 Two Blade, Cocoa Handle, brass lined, latest pattern, 3⅝ inches, warranted. Each.....40c

No. 14871 Two Bladed, Ebony Handle Knife, with shield, brass lined, warranted; best steel, 3¾ inches. Each.....40c

No. 14872 Two Blade, Ebony Handle, German silver bolster and capped, brass lined, 3½ inches, warranted. Each.....45c

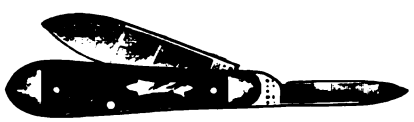


No. 14873 Two Blade, Cocoa Handle, heavy cap and bolster, brass lined, 3½ in., warranted. Each, 45c

No. 14874 Two Blade, Gray Buffalo Handle Knife, bolster and cap, brass lined, 3¼ inches, warranted. Each.....55c

No. 14875 Two Blade, Ebony Handle Knife, with bolster and heavily tipped, brass lined, 3¾ inches, warranted. Each.....60c

No. 14876 Two Blade, Stag Handle Jack Knife, German silver tipped and bolster, brass lined, 3⅝ inches, warranted. Each.....60c



No. 14877 Two Blade, Ebony Handle Knife, brass lined, heavy cap and bolster, 3¾ inches; a decided leader, warranted. Each.....60c

No. 14878 Two Blade, Black Buffalo Horn Handle Jack Knife, heavy cap, brass lined; a high grade knife n every respect, 3½ inches, warranted. Ea..65c

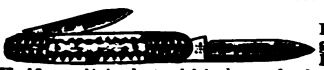
No. 14879 Two Blade, Gray Buffalo Handle Knife, brass lined cap and bolster, best material and finish, 3⅝ inches warranted. Each.....65c

Ladies' Knives.

Postage, 3c each.

No. 14884 Two Blade, Novelty Bolster, Ladies' Knife, shell handle, strong pinned. Each.....12c

No. 14885 Two Blade, Pearl Handle Ladies' Knife, brass lined; a pretty knife. Each.....16c



No. 14886 Two Blade, Corrugated Pearl Handle Ladies' Knife, polished steel blade, and a beauty, 2¾ inches. Each.....20c

No. 14887 Two Blade, Ladies' Knife, pearl handle, brass lined, finely finished and warranted, 2¾ inches. Each, 35c

The following Ladies' Knives are made of Wardlow's fine English steel, every blade hand forged, finely tempered, finished and fully warranted.

No. 14892 Two Blade Stag Handle Ladies' Knife, brass lined; a well made and fine knife, 2⅝ inches, warranted. Each, 35c

No. 14893 Two Blade Pearl Handle Ladies' Knife, brass lined; best steel blades, a favorite pattern, 2½ inches, warranted. Each.....40c

No. 14894 Pearl Handle Ladies' Knife, with nail blade; best finish and material, design and beauty unexcelled, 2½ inches, warranted. Each.....46c

No. 14895 Three Blade Ladies' Pocket Knife, with button hook, pearl handle, brass lined, a very neat and convenient knife, 2¾ inches, warranted. Each.....$1.00

Men's Pen Knives.

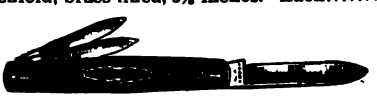
Postage, 5c extra.

No. 14899 Two Blade White Bone Handle Pen Knife, brass lined, well finished, 3⅝ inches. Each, 25c

No. 14900 Four Blade Ebony Handle Pen Knife, elongated shield, brass lined, 3½ inches; a neat knife. Each.....25c

No. 14901 Same as No. 14900, with stag handle. Each.....25c

No. 14901½ Two Blade Stag Hanfile Pen Knife, with shield, brass lined, 3⅝ inches. Each.....27c



No. 14902 Three Blade White Bone Handle Knife, with shield, brass lined, 3½ inches. Each, 30c

No. 14903 Same as No. 14902, with stag handle. Each.....30c

No. 14904 Two Blade Pearl Handle Pen Knife, fancy capped, brass lined, good material, 3 inches. Each.....35c

No. 14905 Three Blade Stag Handle Pen Knife, with shield, brass lined, 3½ inches. Each.....40c

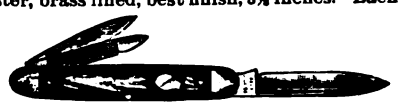
No. 14906 Three Blade Stag Handle Knife, fancy shield and capped; best material, 3½ inches. Each.....40c

No. 14907 Four Blade Corrugated Pearl Handle Knife, brass lined; a serviceable article, 3½ inches. Each.....45c

No. 14908 Three Blade, Pearl Handle, Brass Lined Pen Knife, 3¼ inches. Each.....45c

No. 14909 Four Blade, Stag Handle, Brass Lined, a Neat Knife, 3⅝ inches. Each.....50c

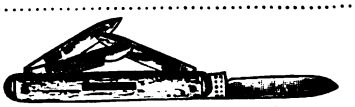
No. 14910 Four Blade Stag Handle Knife with bolster, brass lined, best finish, 3⅝ inches. Each 50c



No. 14911 Three Blade Gray Buffalo Handle Hnife with bolster, brass lined, 3⅝ inches. Each 50c

No. 14912 Four Blade, Pearl Handle Knife, with shield, brass lined, 3⅝ inches. Each.....55c

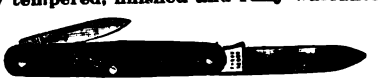
No. 14913 Three Blade, Pearl Handle, corrugated, German silver tipped, brass lined, 3¼ inches. Each.....60c



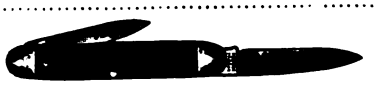
No. 14914 Four Blade, Pearl Handle Pen Knife, elongated shield, brass lined, 3⅝ inches. Each, 70c

No. 14916 Three Blade, Stag Handle, Cattle Knife, brass lined, superior finish, 3¾ in. Each, 80c

The following Pen Knives are made of Wardlow's fine English Steel, Every blade hand forged, finely tempered, finished and fully warranted.



No. 14918 Two Blade, Stag Handle, Pen Knife, brass lined, our leading leader, 3¼ inches, warranted. Each.....25c



No. 14919 Two Blade, Ebony Handle Pen Knife, brass lined, 3¼ inches, warranted. Each.....40c

WHERE YOU FIND IT CONVENIENT TO SEND FULL CASH WITH YOUR ORDER, YOU CAN TAKE ADVANTAGE OF OUR 3 PER CENT CASH DISCOUNT AND ALSO SAVE THE ANNOYANCE OF C. O. D'S. WE POSITIVELY GUARANTEE SATISFACTION IN ALL CASES.

Digitized by Google

No. 14920. Two crocus polished blades, white bone handle Pen Knife, brass lined, best finish, best material, fully warranted, 3 inches. Each, 45c.

No. 14921. Two crocus polished blades, gray buffalo handle Knife, brass lined, fully warranted, 3⅝ inches. Each, 45c.

No. 14922. Three blade, stag handle Knife, brass lined, best steel blade and finish, 3⅝ inches, warranted. Each, 60c.

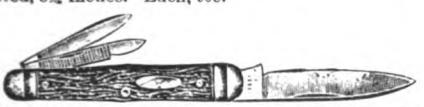
No. 14923. Three blade, crocus polished, gray buffalo horn handle Knife with bolster, brass lined, 3⅝ inches, warranted. Each, 75c.

No. 14924. Two crocus polished blades, stag handle, with file on back, a neat pocket Knife, brass lined, fully warranted, 2¾ inches. Each, 80c.

No. 14925. White bone handle, four crocus polished blades, with file blade, bolstered, brass lined, fully warranted, 3⅝ inches. Each, 85c.

No. 14926. Gray buffalo handle Pen Knife, three blades, crocus polished, brass lined, fully warranted, 3 inches. Each, 85c.

No. 14927. Three crocus polished blades, stag handle, heavy Pen Knife, with bolster, brass lined, fully warranted, 3¾ inches. Each, 90c.



No. 14928. Three blade, stag handle Pen Knife, brass lined, warranted best material and finish, 3⅝ inches. Each, 90c.

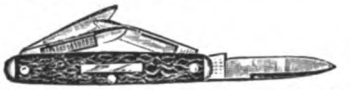
No. 14929. Four crocus polished blades, fine pearl handle Knife, German silver, tipped, brass lined, fully warranted, 3 inches. Each, 90c.

No. 14930. Four crocus polished blades, stag handle, congress Knife, brass lined, one of the neatest and best Pen Knives made, fully warranted, 3¼ inches. Each, $1.

No. 14931. Stag handle Pen Knife with elongated shield, four crocus polished blades, brass lined, fully warranted, 3 inches. Each, $1.

No. 14932. Four blade, fine pearl handle Pen Knife, brass lined, fully warranted, a neat and popular pattern, 3¼ inches. Each, $1.

No. 14933. Four crocus polished blades, pearl handle Knife, brass lined, a well finished and neat pattern, fully warranted, 3 inches. Each, $1.



No. 14934. Stag handle Pen Knife with elongated shield, four crocus polished blades, brass lined, one of our best sellers, fully warranted, 3½ inches. Each, $1.20.

No. 14935. Pearl handle Knife, one of the neatest and most popular patterns made, three crocus polished blades, brass lined, fully warranted, 3 inches. Each, $1.40.

No. 14936. Our best Pen Knife, pearl handle with elongated shield, four fine crocus polished blades, brass lined, a prevalent pattern, fully warranted, 3⅛ inches, Each, $1.50.

KNIFE HONE.

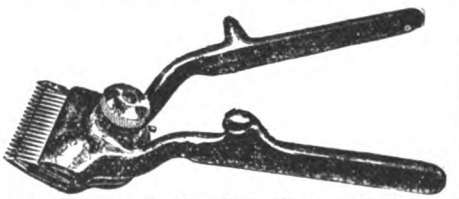
No. 14945. Pocket knife Hone. Why carry a dull knife? A fine emery knife hone in leather case. Each, 25c.

KNIFE POCKETS.

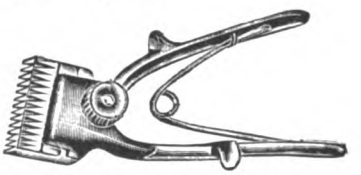
No. 14946. A good knife well kept will satisfy the owner. Leather Knife Pockets. Each, 8c.

HAIR CLIPPERS.

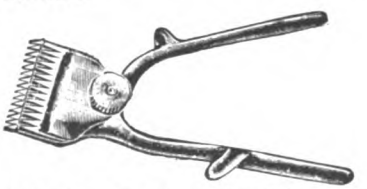
We aim to carry a line of clippers from which can be made a selection either for family or for barbers' use. These goods are warranted to be fully up to descriptions, and if found in any way defective can be returned at our expense and exchanged or money refunded. Our liberal C. O. D. terms apply on these goods. Sent to any address C. O. D., subject to examination, on receipt of $1, balance and express charges payable at express office; 3 per cent. discount for cash in full with order.



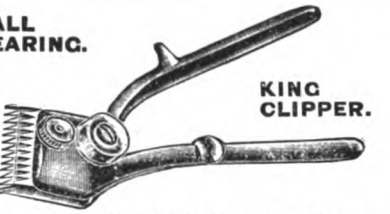
No. 14950. Regular Size Hair Clippers. Full nickel plated, best cast steel jaws, finely tempered and finished true, a wonderfully handy and economical clipper for family use. Per pair, $1.00.



No. 14951. Toilet Hair Clipper. Nickel plated, has a single spring which can be easily removed and adjusted to different tension if desired. To cut ⅛ of an inch long. Each, $1.00.

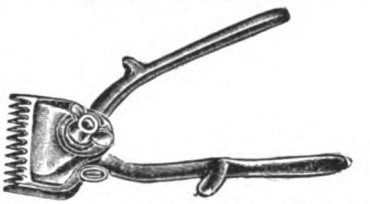


No. 14952. The Columbian Hair Clipper. Nickel plated, has detachable plates, all parts interchangeable, a high grade clipper, best material. Each, $1.65.



No. 14953. The King Hair Clipper. A first quality clipper for barbers' use, has detachable plates. Tension bolt is set forward of the lever spring directly over the teeth to insure the best cutting results; with Ball Bearings. Each, $2.25.

BROWN & SHARP'S LATEST PATTERN HAIR CLIPPERS.



No. 14954. 0. B. & S., cuts $\frac{1}{32}$ inch. Each, $2.74.
No. 14955. 1. B. & S., cuts ⅛ inch. Each, $2.76.
No. 14956. 2. B. & S., cuts ¼ inch. Each, $3.25.
No. 14957. 3. B. & S., cuts $\frac{5}{16}$ inch. Each, $3.75.

CLIPPER PARTS.

No. 14960. Repairs for No. 14950 Clipper Springs, each, 5c; top plate, each, 80c; bottom plate, each, 90c.
No. 14961. Repairs for No. 14951 Clipper Springs, each, 20c; top plates, each, 80c; bottom plates, each, 90c.
No. 14962. Repairs for No. 14952 Clipper Springs, each, 5c; top plates, each, $1; bottom plates, each, $1.25.
No. 14963. Repairs for No. 14953 Clipper Springs, each, 5c; top plates, each, $1; bottom plates, each, $1.50.
No. 14968. Adjustable Clipper Comb, with two adjustments. Will increase the cut of the clipper up to $\frac{1}{16}$ in. Will fit Nos. 14953, 14954, 14955, 14956 and 14957 Clippers. State which clipper the comb is to be used on. Price, each, 68c.

CLIPPER GRINDING.

We re-grind old clippers for 50 cents per pair. Express charges or postage both ways to be paid by customer. Read instructions for returning goods before sending us clippers. See page 2.

RAZORS.

Our Razors are furnished from the lines of leading and well known manufacturers. They are made of only the best material and for private and barbers' use are unexcelled.

Sent by express C. O. D., subject to examination, on receipt of $1, balance payable at express office. Three per cent. discount for cash in full with order.

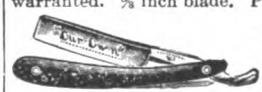
No. 14975. Wostenholm's new pipe ½ in., finest quality, hollow ground. A little gem and a dandy shaver, no better steel put in a razor. Every one likes it, our biggest seller, warranted. Each, $1.

No. 14976. Black rubber handle, hollow point, a very finely made razor of serviceable quality. ⅝ inch. Warranted. Each, 60c.

No. 14977. Wade & Butcher's hollow point, medium hollow ground, Razor, rubber handle. Fully warranted and a superior cutter. ⅝ inch blade. Price, each, 85c.

No. 14978. Original pipe Razor, square point, full hollow ground, black rubber handle, best steel, mirror finish. Fully warranted, ⅝ inch blade. Price, each, $1.15.

No. 14979. Full hollow ground Wostenholm Pipe Razor, black rubber handle, one of the best razors made. Fully warranted. ⅝ inch blade. Price, each, $1.50.



No. 14980. "Our Own" Razor, black rubber handle, medium hollow ground, very finely etched, ⅝ in. blade. Price, each, 95c.

No. 14981. One of our best Razors, black rubber handle, blade full hollow ground, best steel, a superfine barbers' razor, set and ready for use, ¾ inch blade. Price, each, $1.50.

Digitized by Google

No. 14982. Genuine ivory handle Razor, full hollow ground, medium weight, blade of best steel and fully warranted. ⅝ inch blade Price, each, $1.75.

No. 14983. Genuine John Engstrom Swedish Razor. A popular pattern, finely ground, warranted best steel blade. ⅝ inch blade. Price, each, $1.50.

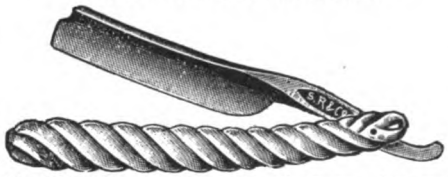
H. BOKER'S TREE BRAND RAZORS.

No. 14984. Fancy celluloid handle Razor, finely ground, set and ready for shaving, best steel blade. Fully warranted. Size, ⅝ inch. Price, each, $1.75.

No. 14985. Tree Razor, black rubber handle, hollow point, medium hollow ground. Fully warranted. If properly used will require no honing in private use. ⅝ inch blade. Price, each, $1.40.

No. 14986. Tree Razor, black rubber handle, square point, full hollow ground. Warranted best steel. The best barbers' razor on earth. ⅝ inch blade. Price, each, $1.75.

FANCY HANDLE RAZORS.

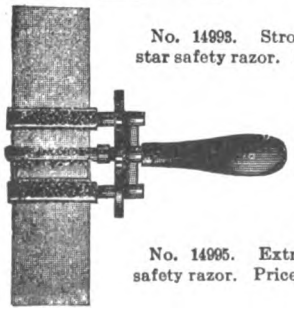


No. 14987. Fancy celluloid handle Razor. Best steel blade, hollow ground, finest finish. ⅝ inch blade. Price, each, $2.

No. 14788. Fancy celluloid handle Razor. One of the best razors made for private or barbers' use. Full hollow ground, warranted best material. ⅝ inch blade. Price, each, $1.75.

STAR SAFETY RAZOR.

No. 14992. Star Safety Razor. An invention which obviates all danger of cutting the face. It is especially adapted to old and young, and is indispensable to travelers, miners and persons camping out. Blades of best steel and full concave, which can be easily removed and placed in handle for stropping. Full nickel plated. Price, each, $1.50. Postage, 5c extra.



No. 14993. Stropping Machine for star safety razor. Price, each, $1.75.

No. 14994. Strop for star safety razor. Price, each, 40c.

No. 14995. Extra Blades for star safety razor. Price, each, $1.

RAZOR GRINDING.

Postage or express charges both ways to be paid by customer.
Plain ground, 35c.
Hollow ground, 50c.
Read instructions for returning goods before sending razor to us. See page 2.

RAZOR STROPS.

Our strops are furnished strictly according to description and comprise the best goods for individual and for barbers' use.

No. 14999. Emerson's genuine, half round, elastic Strop, cushioned and well dressed. Each, 30c.

No. 15000. Combination Strop, four sides, double rods, with hone. Each, 40c.

No. 15001. German Belt Razor Strop, two sides, double rods, with paste box. Each, 45c.

No. 15002. White Horsehide Razor Strop, extra heavy, selected stock, surfaced, fashioned handle finished with eyelet, 2x24 inches. Each, 25c.
No. 15003. Oiled Horsehide Strop, extra heavy. Barbers' swinging Strop, selected stock, 2¼x24 inches. Each, 35c.
No. 15004. Genuine Russia Leather, single. Barbers' swing Strop, an extra fine strop, selected stock, with fashioned handle and eyelet, 2¼x24. Each, 40c.

No. 15005. White Satin Calf Razor Strop, with flat web, fashioned handles, solid metallic tip and swivel. A fine barbers' double swing strop, 2x23 inches. Each, 50c.

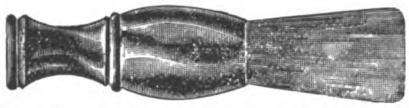
No. 15006. Razor Strop, size 2x25 inches. Combination boarskin and white satin. Boarskin for the first or roughing side and white satin for the finishing side. Boarskin takes the place of canvas, but is vastly superior, because of the increased frictional qualities of its surface. This strop is finished with leather handle attached to strop with nickel plated loop, and a single loop swivel. Each, 60c. Extra by mail, 5c.

No. 15009. Extra superfine Belgian Razor Hones. Each, 75c.

No. 15012. Razorine. For sharpening razors, spread lightly and evenly over strop. Directions with each package. Price, per cake, 12c. Postage, 2c.

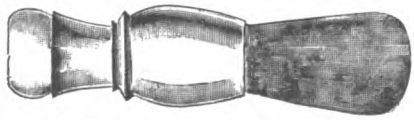
SHAVING OR LATHER BRUSHES

Weight of each brush, 3 oz.



No. 15018. Black enameled handle Shaving Brush, medium size, all white stock. Each, 8c.
No. 15019. Black enameled handle Shaving Brush. A large brush, firmly set, all white bristles. Each, 15c.
No. 15020. Enameled handle Lather Brush, badger hair stock. Large size, well set and lasting. Each, 25c.

No. 15021. Black enamel handle wire-bound Lather Brush, all white bristles, medium size, a well made and durable brush. Each, 10c.
No. 15022. Cherry handle, twine-bound Lather Brush, medium size, all white bristles firmly set. Each, 15c.
No. 15023. Black walnut handle, barbers' Lather Brush, twine bound, all white bristles, firmly set, medium size, the best twine-bound brush made. Each, 15c.



No. 15024. White bone handle Lather Brush, all white stock, medium size, well made, will give the best service. Each, 30c.

No. 15025. Barbers' celebrated "Trade Mark P" Lather Brushes, medium size, best white bristles, boxwood handle, buffalo horn ferrule, which will not crack like wood or rubber, the most durable brush made. Each, 35c.

SHAVING SOAP.

No. 15028. Shaving Soap. Genuine Yankee Shaving Soap, a well known and reliable article. Per cake, 10c.

POMATUM WAX.

No. 15029. Pomatum Wax. For waxing moustache, an unadulterated article which gives only the best results. Per bar, 7c.

CURLING IRONS.

It will pay you to include all these small wares in your order; you can save 50 per cent. in price, and the express or freight will amount to nothing when shipped with other goods.

No. 15035. Made of polished steel, polished wood handles, medium size, better than any other made at this price; length, 7¼ inches. Each, 4c.

No. 15036. Duke moustache Curler, polished steel, nickel plated, antique oak handles; length, 6 inches. Each, 5c.

No. 15037. Medium size, or Little Princess Curler, same as No. 15036; length, 7¾ inches. Each, 6c.

No. 15038. Full size, Princess Curler, polished steel, nickel plated, antique handles; length of curler, 9¼ inches. Each, 7c.

No. 15039. Paragon Curling Iron. This is a favorite curling iron. Having no pivot the jaws open practically parallel with each other, thus securing the hair at all points on the iron. The clasp being perfectly guided can not get out of line, and the spring is located where it can not be affected by heat. All parts fully nickel plated; antique handles; length, 8½ inches. Each, 9c.

No. 15040. The Oxford Curling Iron is extra length and extra quality; heavy nickel plated and polished to a mirror finish. Handles of handsomely finished antique oak having ends ornamented with nickel plated tips; length, 10½ inches. Each, 10c.

No. 15042. National Waving Iron, shear loop handles, 5 prongs, gives a perfect wave to the hair; in favor with all users. Each, 15c.

CURLING IRON HEATERS.

No. 15046. Tip-top Curling Iron Heater and Lamp Chimney Stove, a most popular heater. Can be used to heat a curling iron or heat a cup of water; made of bright brass, compact and ornamental. Each, 7c.

No. 15047. New Shield Curling Iron Heater to prevent curling irons from becoming soiled and blackened, thus doing away with wiping the iron. Ladies will appreciate this article. Each, 10c.

15047.

No. 15048. Always Ready Curling Iron Heater. Burns oil; an oblong flat metal lamp, when not in use is closed by brass screw cap. Hinged brackets for holding iron in place. Each, 10c.

ALCOHOL STOVE.

No. 15049. Alcohol Stove. No possibility of danger, base tightly packed with cotton, cover extinguishes the flame, nicely finished, the whole neatly packed in box. An exceedingly useful article at all times. Each, 12c.

FOR THE BABIES.

Little carriages for the little ones. The handsomest on wheels. Our Baby Carriage Catalogue is free for the asking, and you will find that a $5 bill will get as much and as nice goods from this Catalogue as would a $10 bill spent over the counter.

Digitized by Google

BRUSHES.

In our Line of Brushes listed below we aim to give a list of Brushes such as are more commonly used. These goods are all of durable quality. We can furnish Brushes for less money, but when such is the case quality also must be sacrificed. On anything in this line which we do not list we will be pleased to furnish information if desired.

No. 15162. Camel hair Lettering Pencils. Rose bound, fine quality, hair ½, ¾, and 1 inch long.

Nos.	1	2	3	4	5	6	7	8
Price, per doz.,	$0.15	.17	.19	.22	.26	.29	.33	.38

No. 15163. Superfine quality camel hair Lettering Pencils. Red and green silk and silver binding. Hair ½, ¾, and 1 inch long.

Nos.	1	2	3	4	5	6	7	8
Price, per doz.,	$0.18	.22	.30	.33	.41	.48	.54	.60

No. 15164. Camel hair Striping Pencils. Rose bound, fine quality, hair 1¾ to 2 inches long.

Sizes,	1	2	3	4	5	6	7	8
Price, per doz.,	$0.15	.17	.21	.26	.31	.36	.40	.44

No. 15165. Camel hair striping Pencils. Red and green silk and silver binding, superfine quality, hair 1¾ to 2 inches long.

Sizes,	1	2	3	4	5	6	7	8
Price, per doz.,	$0.17	.23	.27	.32	.40	.47	.55	.63

No. 15166. Camel hair swan quill Pencils for lettering.

Size, in.	½	¾	1	1¼
Each,	$0.05	.05	.06	.06
Per doz.,	.45	.46	.53	.56

No. 15167. Camel hair, swan quill Pencils for striping.

Size, inches,	1½	1¾	2	2¼
Price, each,	$0.06	.06	.07	.07
Price, per doz.,	.59	.62	.65	.70

No. 15168. Camel hair flat or Sword Stripers, square ends, tin ferrules, without handle, for carriage work. Hair 1½ to 2¼ inches long.

Nos.	1	2	3	4
Price, each,	$0.06	.06	.07	.08
Price, per doz.,	.60	.64	.75	.90

No. 15169. Camel hair Dagger Stripers. Diagonal ends, copper wire bound, small cedar handles, for carriage work. Hair 1½ to 2¼ inches long.

Nos.	1	2	3	4
Price, each,	$0.12	.12	.13	.13
Price, per doz.,	1.30	1.32	1.35	1.38

No. 15170. Camel hair Marking Brushes. Polished handles.

Nos.	1	2	3	4
Price, each,	$0.04	.05	.05	.07
Price, per doz.,	.40	.46	.50	.64

No. 15171. Camel hair Lacquering Brushes. Polished handles, fine quality, round.

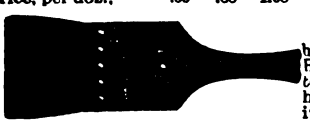
Nos.	1	2	3	4	5	6
Price, each,	$0.04	.04	.06	.08	.10	.12
Price, per doz.,	.41	.43	.55	.77	1.00	1.25

No. 15172. Camel hair Lacquering Brushes. Polished handles, fine quality, flat.

Size, inches,	¾	½	⅝	¾	⅞	1
Price, each,	$0.06	.07	.08	.10	.12	.15
Price, per doz.,	.60	.72	.85	1.10	1.32	1.50

No. 15173. Camel hair Lacquering Brushes. Superfine quality, flat.

Size, inches,	¾	½	⅝	¾	⅞	1
Price, each,	$0.06	.08	.10	.11	.14	.16
Price, per doz.,	.65	.88	1.08	1.15	1.45	1.65



No. 15174. Camel hair Mottling Brushes or Spatters. Short cedar handles, fine quality.

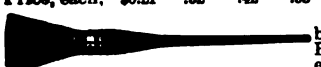
Size, inches,	½	¾	1	1½	2	2½	3	3½	4
Price, each,	$0.07	.11	.14	.21	.28	.35	.42	.49	.56

No. 15175. Coach Painters' Color Brushes or double thick camel hair Mottlers. Short cedar handles, fine quality, tin bound.

Size, inches,	1	1½	2	2½	3	3½	4
Price, each,	$0.19	.29	.38	.48	.57	.67	.76

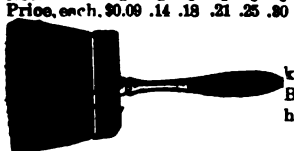
No. 15176. Same as No. 15175. Brass bound.

Size, inches,	1	1½	2	2½	3	3½	4
Price, each,	$0.21	.32	.42	.53	.63	.74	.84



No. 15177. Round badger hair Blenders or Softeners for graining and oil painting, polished handles.

Nos.	1	2	3	4	5	6	7	8	9	10	11	12
Price, each,	$0.09	.14	.18	.21	.25	.30	.36	.43	.50	.58	.70	.75



No. 15178. Flat knotted badger hair Blenders, polished handles, set in bone.

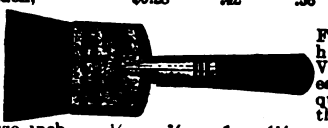
Size, inch,	2	2½	3	3½	4	4½	5	5½	6
Price, each,	$0.56	.72	.87	1.00	1.15	1.94	2.16	2.38	2.60

No. 15179. Badger hair Flowing Varnish Brushes, for fine varnishing, carriages, pianos, etc. Single thick, chiseled.

Size, inch,	1	1½	2	2½	3
Each,	$0.22	.33	.44	.55	.66

No. 15180. Same as No. 15179, only double thick.

Size, inch,	1	1½	2	2½	3
Each,	$0.28	.42	.56	.70	.84



No. 15181. Fitch or bear hair Flowing Varnish Brushes, superfine quality, single thick, square.

Size, inch,	½	¾	1	1½	2	2½	3
Each,	$0.08	.12	.16	.24	.32	.40	.48

No. 15182. Same as No. 15181, only double thick.

Size, inch,	1	1½	2	2½	3
Each,	$0.20	.30	.40	.50	.60

No. 15183. Fitch or bear hair Flowing Varnish Brushes, superfine quality, single thick, chiseled.

Size, inch,	1	1½	2	2½	3
Each,	$0.18	.27	.36	.45	.54

No. 15184. Ox hair Striping Pencils, superfine quality, in quills, hair, 1½ to 2½ inches long.

Nos.	1	2	3	4	5	6	7	8	10	12
Price, each,	$0.03	.04	.04	.05	.06	.07	.09	.10	.17	.20
Per dozen,	.33	.36	.42	.48	.60	.72	.90	1.08	1.80	2.20

No. 15185. Ox hair Flowing Varnish Brushes, chiseled, superfine quality, polished cedar handles, nickel ferrules; for the finest varnish work; very durable.

Size, inch,	1	1½	2	2½	3
Each,	$0.36	.54	.72	.90	1.08

No. 15186. Same as No. 15185, only double thick.

Size, inch,	1	1½	2	2½	3
Each,	$0.60	.90	1.20	1.50	1.80

No. 15187. Thin, flat, bristle Varnish Brushes, white handles, tin ferrule.

Size, inch,	1	1½	2	2½	3
Each,	$0.03	.05	.06	.08	.09

No. 15188. Common flat bristle Varnish Brushes, all bristles, cherry handles, in tin.

Size, inch,	1	1½	2	2½	3
Each,	$0.04	.06	.08	.10	.12

No. 15189. Extra flat bristle Varnish Brushes, double thick, French bristles, cedar handles, lacquered tin.

Size, inch,	1	1½	2	2½	3
Each,	$0.07	.11	.14	.18	.21

No. 15190. Extra chiseled, flat bristle Varnish Brushes, double thick, cedar handles, tin ferrules.

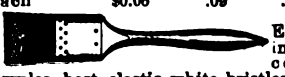
Size, inch,	1	1½	2	2½	3
Each,	$0.09	.14	.18	.23	.27

No. 15191. Bristle Flowing Varnish Brushes, black enamel handles, in tin, French bristles, chiseled.

Size, inch,	1	1½	2	2½	3
Each,	$0.05	.08	.10	.13	.15

No. 15192. Same as No. 15191. Has Chinese black bristles.

Size, inch,	1	1½	2	2½	3
Each	$0.06	.09	.12	.15	.18



No. 15193. "Half Elastic" Bristle Flowing Varnish Brushes, cedar handles, tin ferrules, best elastic white bristles, chiseled.

Size, inch,	1	1½	2	2½	3
Each,	$0.22	.33	.44	.55	.66

No. 15194. "Half Elastic" Brushes. Same as No. 15193, but has best elastic Chinese black bristles.

Size, inch,	1	1½	2	2½	3
Each,	$0.22	.33	.44	.55	.66

BRISTLE GRAINERS.

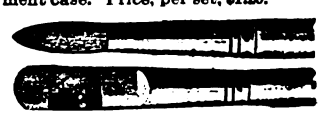
Width, 1 to 4 inches.

No. 15195. English Grainers. Price, per inch, 20c.
No. 15196. Knotted Grainers. Price, per inch, 23c.
No. 15197. Snake Grainers. Price, per inch, 20c.
No. 15198. Angular Grainers. Price, per inch, 20c.
No. 15199. Oak Grainers. Price, per inch, 23c.
No. 15200. Fan or Top Grainers. Price, per inch, 8c.

PIPED OVER GRAINERS.

Width, 1 to 4 inches.

No. 15201. Bristle. Price, per inch, 19c.
No. 15202. Ox hair. Price, per inch, 36c.
No. 15203. Badger hair. Price, per inch, 36c.
No. 15204. Red sable hair, medium. Price, per inch, 47c.
No. 15205. Red sable hair, superfine. Price, per inch, 54c.
No. 15206. English Graining Combs. Best quality steel in sets of 12 assorted, 1 to 4 inches, in tin compartment case. Price, per set, $1.20.



Bristle Marking Brushes, round or flat, polished handles.

No. 15209. Round.
No. 15210. Flat.

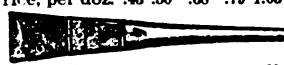
Nos.	1	2	3	4	5	6
Price, each,	$0.02	.03	.03	.03	.04	.05
Price, per dozen,	.16	.20	.23	.26	.33	.40

No. 15211. Ex-French Sash Tools. All white bristles, wire bound.

Nos.	1	2	3	4	5	6	7	8	9	10
Price, each,	$0.03	.04	.05	.06	.07	.10	.11	.13	.15	.20
Price, per doz.	.32	.40	.47	.58	.68	1.02	1.20	1.38	1.68	2.16

No. 15212. Ex. Ex. French Sash Tools. All fine white bristles, wire bound.

Nos.	1	2	3	4	5	6	7	8	9	10
Price, each,	$0.04	.05	.07	.08	.10	.12	.13	.15	.20	.25
Price, per doz.	.43	.50	.68	.79	1.03	1.20	1.38	1.62	2.00	2.50



No. 15213. Flat chiseled Sash Tools. red polished handles, brass ferrules, all white bristles,

Size, inch,	½	¾	1	1¼	1½
Each,	$0.07	.11	.13	.16	.20

No. 15214. Same as No. 15213, but has Chinese black bristles.

Size, inch,	½	¾	1	1¼	1½
Each,	$0.07	.11	.13	.16	.20

HEAD GLUE BRUSHES.

No. 15215. Glue Brushes, best gray Russian bristles, copper rings, riveted long handles,

Nos.	10	12	14	16	18	20
Price, each,	$0.73	.92	1.15	1.65	2.00	2.40

HEAD STENCEL BRUSHES.

No. 15216. Improved Stencil Brushes, white bristles, zinc ferrules.

Nos.	1	2	3	4	5	6	7	8
Price, each,	$0.07	.08	.09	.10	.11	.12	.18	.20

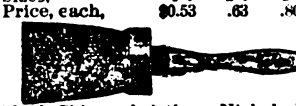
PAINT BRUSHES.

No. 15217. Round Paint Brushes, wire bound, white bristles outside, mixed center.

Sizes,	1-0	2-0	3-0	4-0	5-0	6-0
Price, each,	$0.34	.38	.44	.49	.58	.64

No. 15218. Round Round or oval Paint Brushes, wire bound. All best selected Russian bristles.

Sizes,	1-0	2-0	3-0	4-0	5-0	6-0
Price, each,	$0.53	.63	.80	.97	1.24	1.45

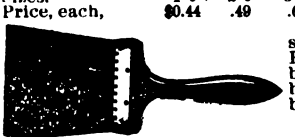


No. 15219. Chiseled oval Varnish Brushes, very elastic; best selected black Chinese bristles. Nickel plated rings,

Sizes.	1-0	2-0	3-0	4-0	5-0	6-0
Price, each,	$0.39	.43	.62	.61	.67	.79

No. 15220. Specially prepared white French bristles, chiseled oval Varnish Brushes, nickel plated rings; unequaled for fine work in varnishing.

Sizes.	1-0	2-0	3-0	4-0	5-0	6-0
Price, each,	$0.44	.49	.60	.64	.79	.90



No. 15221. Extension Wall Paint Brushes. Long stock, best white Russian bristles; brass bound.

Nos.	0	1	2	3	4
Size, inches,	3	3½	4	4½	5
Price, each,	$0.37	.43	.63	.84	1.30

No. 15222. Standard Wall Paint Brushes. All white Russian bristles, brass bound.

Nos.	25	30	35	40	45
Size, inches,	2½	3	3½	4	4½
Price, each,	$0.32	.39	.51	.64	.82

No. 15223. Leather bound Wall Paint Brushes. All white Russian bristles.

Size, inches,	3	3½	4	4½	5
Price, each,	$0.34	.43	.55	.71	.84

No. 15224. Stucco Paint Brushes. Extra long and very best selected white Russian bristles, leather bound.

Nos.	25	30	35	40
Size, inches.	3	3½	4	4½
Price, each,	$0.99	1.21	1.58	1.95

KALSOMINE BRUSHES.

No. 15225. Gray mixed center Kalsomine Brush. White bristles outside, imitation bound, excellent quality.

Size, inches,	6	7	8
Price, each,	$0.48	[illegible]	.67

No. 15226. Selected Russian white bristles Kalsomine Brushes, brass bound.

Size, inches,	6	7	8
Price, each,	$1.45	1.87	2.38

No. 15227. New York style Kalsomine Brushes. Extra heavy, specially selected Russian bristles. gray center, white outside, finest workmanship, galvanized iron bands; will last a lifetime.

Size, inches,	6	7	8
Price, each.	$2.12	2.63	3.00

REFER TO PAGES 21, 22, 23 & 24 FOR

OILS, PAINTS, VARNISHES, ETC.

THE PUREST AND BEST ARE QUOTED.

THE PRICES ARE RIGHT.

Digitized by Google

No. 15228. Whitewash Brushes. All white bristles, imitation brass bound

Nos.,	1	3	5	7
Size, inches,	6½	7½	8½	9
Price, each,	$0.38	.50	.63	.85

No. 15229. Leather bound Whitewash Brushes. All white bristles.

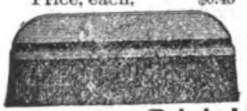
Nos.,	1	3	5	7
Size, inches,	5½	7½	8½	9
Price, each,	$0.41	57	.77	.98

No. 15230. Painters' Dusters. All Russian bristles, long, and very heavy, gray center, extra white outside.

Nos.,	15	17	19
Price, each,	$0.38	.50	.74

No. 15231. Flat Painters' Dusters, black Russian bristles.

Nos.,	40	45
Size, inches,	4	4½
Price, each,	$0.45	.51



No. 15232. Paperhangers' Brushes, best gray Russian bristles. "Popular."

Size, inches,	8	10	12
Price, each,	$0.59	.70	.83

Brick Liners.

No. 15233. Brick Liners, white or black hair.

Size, inches,	2	2½	3	3½
Price, each,	$0.05	.06	.07	.08

Roofing Brushes.

No. 15234. Roof Paint Brushes, mixed center, gray bristles, outside round ferrules.

Knots,	2	3	4
Price, each,	$0.46	.68	.86

IDEAL SHINE CABINET.

This cabinet fastens to the wall or door casing, entirely out of the way but always ready for use—contents protected from dust and dirt. Foot rest will hold 150 pounds. Contents are: 1 brush, first quality bristle; 1 dauber, with nickel plated handle; 1 box blacking; 1 holder for bottle of ladies' shoe polish. (The bottle of ladies' shoe polish is not furnished.) Size, 6½x4½x15½ inches. When open for use it projects 16 inches from the wall. Weight, 7½ pounds.

No. 15239. Price, each, bronzed, $1.40.
No. 15240. Price, each, nickel plated, $1.87.
We can furnish same cabinet without contents.
No. 15241. Price, each, bronzed, $1.
No. 15241. Price, each, nickel plated, $1.40.

SHOE BRUSHES.

No. 15245. Black and white fiber, solid black, a good cheap brush, Each, 10c; per doz., $1.10.

No. 15246. Black bristles, solid back, stock well set and selected. Each, 18c; per doz. $1.95.

No. 15247. All black bristles, solid back, a well made brush full and heavy. Each, 25c.

No. 15248. Mixed gray and black bristles, well set, large and full; our best one. Each, 35c; per doz., $3.90.

SHOE POLISHERS.

No. 15249. Shoe polisher, all black bristles, hardwood back; a good brush for a small price. Each, 17c; per doz., $1.85.

No. 15250. Shoe polisher, walnut back, all black bristles, stock well set, and a good brush. Each, 25c; per doz., $2.25.

No. 15251. A remarkably fine all bristle Polisher, all black stock with black walnut back; our best polisher. Each, 40c; per doz., $4.50.

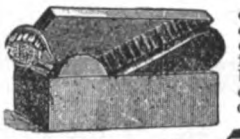
DAUBERS.

No. 15252. Blacking Dauber, stencil brush style, made of pure black bristles, with metal ferrule, light hardwood handle; weight, packed, 4 oz. Each, 10c; per doz., $1.

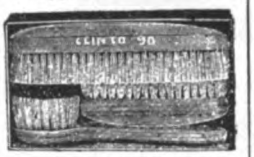
No. 15253. Metal handle Dauber, heavily tinned, improved mud scraper on back; extra stiff solid bristles, will give the best of wear. Each, 14c; doz. $1.55

SPECIAL FURNITURE CATALOGUE FREE. After you build your house, using our tools, buying your hardware, sash, doors, etc., from us, and after you have painted it with our paints, furnish it throughout with our furniture.

BLACKING SETS.



No. 15254. Traveler's companion Blacking Set, consisting of polisher and dauber with box of blacking; hardwood back, all black bristles; a first-class set. Each, 20c; per doz., $2.25.



No. 15255. Three-piece Blacking Set, consisting of polisher, mud brush and dauber; all black bristles, oval back. Each 40c; per doz., $4.40.

No. 15256. Three-piece Blacking Set, consisting of polisher, mud brush and dauber, extra fine and well set black bristles, black walnut back; highly finished. Each, 70c; per doz., $7.00.

No. 15257. Three-piece blacking set, all Russia bristles; highly polished walnut back, oval shape. A strictly high grade set, will last a lifetime. Each, $1.25; per doz., $13.50.

STOVE BRUSHES.

No. 15262. Straight hardwood back Stove Brush, white and black fibre; an excellent value. Each, 10c; per doz., $1.10.

No. 15263. Curved stock, solid back Stove Brush, best white and black fibre; a well made brush. Each, 12c; per doz., $1.35.

No. 15264. Curved hardwood back Stove Brush, mixed fibre and bristle; a staple article and one that cannot fail to give entire satisfaction. Each, 15c; per doz., $1.70.

No. 15265. Oval hardwood back Stove Brush, gray fibre; a brush for those who desire a first-class article. Each, 18c; per doz., $1.90.

SCRUB BRUSHES.

No. 15270. Rice root Scrub Brushes; 2 row square, 10 inches, solid back. Each, 8c; per doz., 85c.

No. 15271. Rice root Scrub Brushes, 3 row, 10 inches long, solid back, well set. Each, 10c; per doz., $1.10.

No. 15272. Round end rice root Scrub Brushes, 10 inches long; a remarkably stroug and durable brush. Each, 10c; per doz., $1.10.

No. 15273. Palmetto solid back Scrub Brush, medium size, similar to the "goose" scrub brush. Each, 12c; per doz., $1.35.

No. 15274. Corner Scrub Brush, all white fibre, 8 inches long. Each, 10c; per doz., $1.10.

No. 15275. White Tampica Scrub Brush, straight, solid back, 8 inches long. Each, 7c; per doz., 70c.

No. 15276. Our best scrub Brush, mixed white and black fibre; an excellent article, 11 inches long. Each 15c; per doz., $1.70.

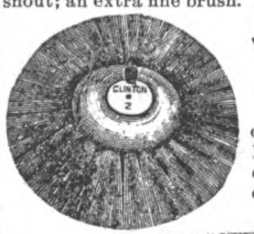
No. 15277. Deck Scrub Brushes, gray and black fibre whole center, with rubber scraper on block; used for scraping floors. Each, 20c; per doz., $2.20.

DUST BRUSHES.

No. 15280. Mixed, white and black fibre Dust Brush, red handle, 14 inches long; a good brush. Each, 12c; per doz., $1.35.

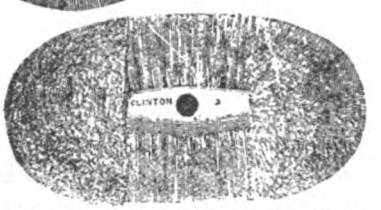
No. 15281. Standard, all gray bristle Dust Brush, enameled handle, 14 inches long. Each, 20c; per doz., $2.25.

No. 15282. Dust Brush, gray and white bristles, with snout; an extra fine brush. Each, 30c; per doz., $3.40.



WINDOW BRUSHES.

No. 15286. Pope's Eye or round window brush. Best black bristles, wire drawn. Each, 45c; per doz., $5.00.



No. 15287. Oblong or spider Window Brush. All long black bristles. A very durable brush. Also suitable for use as a cob web or wall dust brush. Each, 50c; per doz., $5.50.

☞ FOR COMPLETE LINE OF HAIR AND TOOTH BRUSHES SEE NOTION DEPARTMENT, PAGES 327 & 328.

No. 15290. Hand or vegetable Brushes. Selected dressed fibre, solid hardwood block. Each, 3c; per doz., 33c.

FLOOR BRUSHES.

For Schools, Halls, Stores and General Purposes.

No. 15291. English patent fibre Floor and Carpet Brushes are warranted to wear better than bristle brushes; will sweep anything from a common floor to a velvet carpet. *Wash and comb the brush when it appears to be clogged with dirt.* Can make larger sizes to order on short notice. Write for prices. Price includes handle 12 inches long, especially adapted for household purposes, each, 85c; 15 inches long, each, $1.50; 18 inches long, each, $1.88.

WHAT THE PEOPLE SAY.

Would Not Take $10.00 For His Overcoat.

CORNELL, Ill., Dec. 28, 1896.

SEARS, ROEBUCK & Co., Chicago.

Gentlemen:—Enclosed find 27c. due you on order No. 308111. I can say I am very well pleased with the overcoat; it is a perfect fit and I would not take $10 for it if I could not get another like it. Accept my thanks for your fair and honorable dealings with me, and you can expect my future orders for goods. Yours truly,

H. W. MCVAY.

So Well Pleased, He Will Buy His Next Suit From Us.

CANTON, O., Dec. 28, 1896.

Dear Sirs:—I will drop you few lines to let you know that I received the suit and is O. K. I am sure I got my money's worth. I expect to get another one in the spring. Yours truly,

R. S. GOUSER.

No Complaint Can be Made of the Quality and Fit of the Suit.

JEANERETTE, Iberia Co., La., Dec. 22, 1896.

SEARS, ROEBUCK & Co.

Dear Sirs:—I have received the suit and the goods and was perfectly satisfied and the suit is a perfect fit and I will try to send you an order in short. Please send me your clothing catalogue and samples.

MARY CASEMERE.

Direct MARY CASEMERE, Jeanerette, P. O. Box 20.

Will Take Pleasure in Showing His Clothing.

BELLEFLOWER, Mo., Dec. 28, 1896.

SEARS, ROEBUCK & Co.

Sirs:—An open confession is good for the soul, so I use a postal to inform you I am more than pleased with my $12.00 No. XXXX suit. I consider the $6.00 due bill a Xmas present from your firm. That mackintosh is immense, No. 4256. I will take pleasure in showing my clothes. Have my thanks, etc.

A. M. KIBLER.

Always Pleased With Our Clothing.

CONCORDIA, Mo., Dec. 28, 1896.

SEARS, ROEBUCK & Co., Chicago, Ill.

Dear Sirs:—Suit was received the other day and am well pleased with same. Many thanks.

Yours truly, F. W. VOGT.

"I Have Never Had a Better Fit."

MAGNOLIA SPRINGS, Tex., Dec. 24, 1896.

MESSRS. SEARS, ROEBUCK & Co., Chicago, Ill.

Dear Sirs:—The suit I just ordered has been received. It's O. K. I have never had a better fit. I will leave in a few days for Tuskegee, Ala. I wish I could have done you a better work but money matters have been such in this section that it has been almost impossible to secure orders. I aim to do you all the good possible in the way of commendation wherever I go. Yours truly,

W. W. BOOKER.

"Will Do All I Can for Your Firm."

ALVIN, Ill., Jan. 4, 1897.

SEARS, ROEBUCK & Co., Chicago, Ill.

Dear Sirs:—The suit of clothes received and found all O. K.; well satisfied with them; a thousand thanks; will do all I can for your firm. Yours, etc.,

JOHN DAVISON.

P. S.—No. of invoice 338067.

We Can Please Every One The Same Way.

RAY, N. Y., Dec. 24, 1896.

SEARS, ROEBUCK & Co., Chicago, Ill.

Dear Sirs:—I write to let you know that I am very much pleased with the suit you sent. It is a nice fit.

Yours truly, AMER GRISWOLD.

Clothing Just as Represented and a Perfect Fit.

KLAMATH FALLS, Dec. 15, 1896.

SEARS, ROEBUCK & Co.

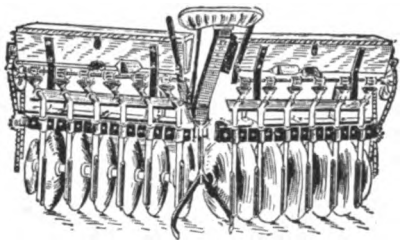
Dear Sirs:—I received the suit of clothes and they are just as represented and a perfect fit. Every one that has seen the clothes says I got a good bargain. I think you will receive more orders from Klamath.

Very truly yours, C. W. BRANDON.

IF YOU WANT GOODS SENT BY MAIL, DON'T FORGET THAT UNCLE SAM TRUSTS NO ONE, AND THAT THE STAMPS MUST GO ON EACH PACKAGE.

Digitized by Google

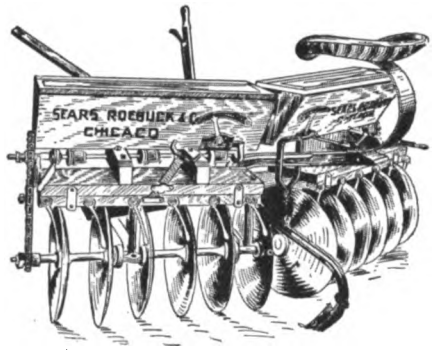
Our Combination Disc Harrow and Grain Drill Complete with Four Horse Eveners and Polished Discs at $44.00 to $51.00.



No. 18208. Price with 12 20-inch polished discs complete $44.00
No. 18209. Price with 14 20-inch polished discs complete 47.00
No. 18210. Price with 16 20-inch polished discs complete 51.00

The above illustration shows the drill ready for operation. It can be changed in a few moments to a regular broadcast seeder, which you can work anywhere a disc harrow will go. Please note the following advantages: The drill device can be set up or down to suit the operator; the boxes are set apart so that they will not strike together when at work; we use 12 seed cups, or double the number others do, and thus the grain is distributed evenly regardless of wind or side hills; the covering plates in the center not only cover the grain but level the ground; the drill deposits the grain at a uniform depth where it is well covered, and can be set to sow any depth as deep as the discs run; can be thrown out of gear on one side, leaving the other to work and enabling the operator to sow a narrow strip or finish the land when running near a fence; it has an adjustable chain tightener which enables you to take off and put on the chain without trouble. The drill can be taken off and discs used separately. The shields prevent the dirt from interfering with the driving sprocket wheel. It has a perfect index, showing the quantity sown to the acre. It has a perfect force feed. We warrant our improved drill to work in as many kinds and conditions of work as any drill made, and to do good work in places where no shoe or hoe drill will work, but there are places and conditions where it will not work, and in such cases the broadcast seeder attachment, which goes with the drill, covers the case, making a machine that the farmer can always work with, wet or dry. We guarantee the drill to sow perfectly ½ bushel to the acre, or any larger quantity, and not clog or cut the ground. The seat is so arranged that the operator sits comfortably on a good spring seat, and back of the drill so that he can see that the seed cups are properly discharging.

Our Improved Disc Harrow with Seeder Attachment.



No. 18212. Price of harrow with 12 16-inch discs complete, with 4-horse evener .. $34.00
No. 18213. Price of harrow with 14 16-inch discs complete, with 4-horse evener .. $40.00
No. 18214. Price of harrow with 16 16-inch discs complete, with 4-horse evener .. $46.00
No. 18215. Price of harrow with 12 20-inch discs complete, with 4-horse evener .. $36.00
No. 18216. Price of harrow with 14 20-inch discs complete, with 4-horse evener .. $41.00
No. 18217. Price of harrow with 16 20-inch discs complete, with 4-horse evener .. $48.00

The above are our prices when to be shipped by freight C. O. D., subject to examination, on receipt of a sufficient deposit to cover freight charges both ways; balance and freight charges to be paid after harrow is received. Three per cent. discount will be allowed if cash in full accompanies your order.

The prices quoted are for the harrows delivered on board the cars at the factory at Alton, Ill., from which point you must pay the freight. You will find the freight will amount to next to nothing as compared with what you will save in price.

This improved disc with seeder attachment has the same features as our drills, except that the seed is scattered broadcast in front of the blades where it is covered. We claim for it the following advantages over all other machines of the same character: It has a perfect force feed, which is a very essential feature; it is driven from both sections, and the drive chain is always in line; it is provided with a spring chain tightener, which enables you to take the chain off or put it on without removing the wheels and preventing it coming off; either side can be thrown out of gear; the driver sits where he can see at all times whether the seeds are discharged properly; it has a perfect index, showing the quantity sown to the acre; it is nicely and substantially put up in every way. We have a center shovel which covers the grain sown in the middle, which no other has, and they not only leave a ditch, which we do not, but they leave grain in the center which is not covered. It can be used without a shovel if desired. It has shields which prevent the dirt from interfering with the driving chain sprockets. This machine is made of the very best material, and is guaranteed to give the most perfect satisfaction when properly operated.

Please note that the seeder can be taken off and the disc used as a separate machine, giving you two perfect machines in one.

"PLANET JR." GARDEN TOOLS FOR 1897.

We issue a Special Catalogue of "Planet Jr." Garden Tools, which is mailed free on application.

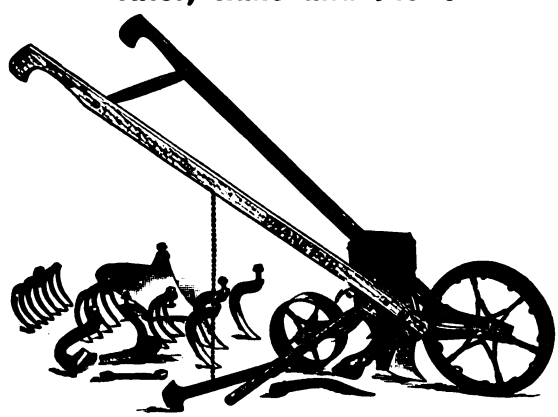
The "Planet Jr." No. 5 Hill Dropping Seeder.

No. 18211. This beautiful new tool will be a delightful surprise to every gardener who tries it. We all know that a garden seed sower that does not drop in hills is fast becoming a thing of the past, for there are but few now who do not wish to plant beans and corn, spinach and salsify, carrots and turnips, parsnips and beets, in hills. All crops that are to be grown from seed and then thinned to a regular stand, should be planted in hills and at just the distance apart the plants are desired; for in drilling, unless the seed is sown unnecessarily thick, there will not always be a plant at the proper spot, and the crop is therefore irregular. This means that nowadays a seed sower should drop in hills and at almost every distance apart. The new No. 5 "Planet Jr." drops at 5, 6, 8, 10, 12, 16, 24 and 48 inches apart, and also beautifully in a continuous row. It drops without injury, can be changed from hill to drill or from one distance to another very quickly, and without any changing of bolts, and without any loose wheels or parts so easily lost or mislaid; and a neat, clear index with brass screw regulator and quick cut-off is arranged most conveniently just at the top of the handle.

The newcomer is a great favorite, too, because it is unusually large, holding three quarts, yet very light running withal; and it is also a model of simplicity, strength and durability. Its large capacity will suit all large growers, and yet it works so perfectly that it will sow a single paper of seed or drop it in hills accurately, to the very last grain.

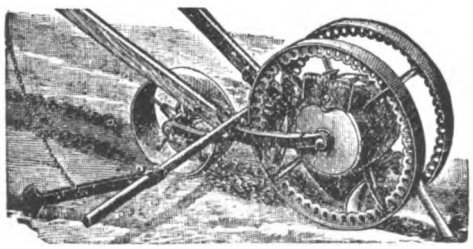
In a word, no seeder has ever been made that compares with this newly perfected No. 5 "Planet Jr."—the 1897 surprise. Price $12.00

The "Planet Jr." No. 4 Combined Hill Dropping Seeder and Single Wheel Hoe, Cultivator, Rake and Plow.



No. 18218. This is exactly the same fine strain of blood that has proven such a marvelous success in the No. 5 "Planet Jr." Hill Dropper. As a drill, the points of difference are: First, that it is smaller in capacity, though still of good size, holding three pints, and that it does not drop at so many different distances apart; however, it drops at all the most important distances, at 6, 9, 12, 18 and 36 inches. The index is just as fine and accurate and plain, though being a combined tool it is not placed at the top of the handle. It is like No. 5 in dropping in just the same way, just as accurately, and in handling the smallest paper of seed perfectly and to the last grain; has no loose parts, and is simple, durable and very light running. The drill is quickly detached and the tool frame substituted. It then becomes the most admirable Single Wheel Hoe of the "Planet Jr." family. Has a fine garden plow, two elegantly shaped, new-style hoes, three delightful cultivating rakes, made new form and specially to fit 6, 9, 12, and, using two at once, 14 and 16 inch rows; and a practical leaf guard. Price, complete, $10.00; as a drill only $7.00

The "Planet Jr." No. 2 Seed Drill.



No. 18219. This tool is used the world over, and with the exception of the "Planet Jr." Hill Dropping Drills, is the most perfect drill known. It holds two and one-half quarts.

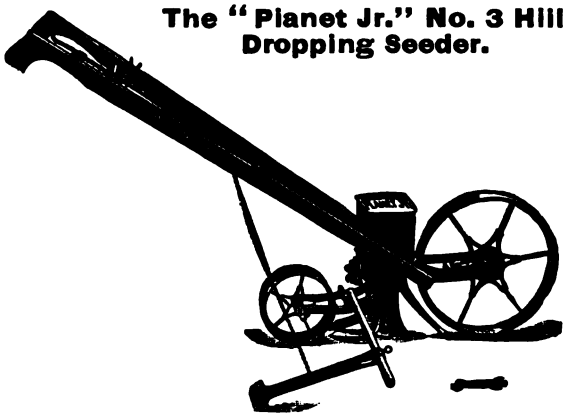
The sowing cylinder is a drum of spring brass, set between the driving wheels. Around this drum is a brass band, drawn tight to the drum by a cam which joins the ends. In both drum and band are corresponding diamond-shaped discharge openings; by loosening the cam and sliding the outer band the discharge may be regulated to suit any kind or thickness of seed. The index contains the names of the principal seeds, and when the name wanted appears through the index slot, it is set right for that seed. The drill sows in an even, regular stream, whether there is much or little in the hopper. The opening plow, being directly between the wheels, follows all irregularities of the ground, is adjustable, and once set, opens the furrow at a uniform depth, and the seeds are deposited in a very narrow line. The machine is extremely simple: having no agitators, belts or gearing, the seed cannot be injured, even if sprouted. It received the highest award at the World's Fair at Chicago. Price $6.50

DON'T TRADE YOUR GARDEN TRUCK FOR HALF ITS VALUE IN GROCERIES. SELL YOUR PRODUCE FOR WHAT IT IS WORTH, AND WHEN YOU BUY, TAKE ADVANTAGE OF OUR *FACTORY-TO-CONSUMER SYSTEM* AND GET THE FULL WORTH OF YOUR MONEY.

We guarantee our goods of every description to be fully up to representation or they may be returned to us at our expense and money refunded.

Digitized by Google

The "Planet Jr." No. 3 Hill Dropping Seeder.

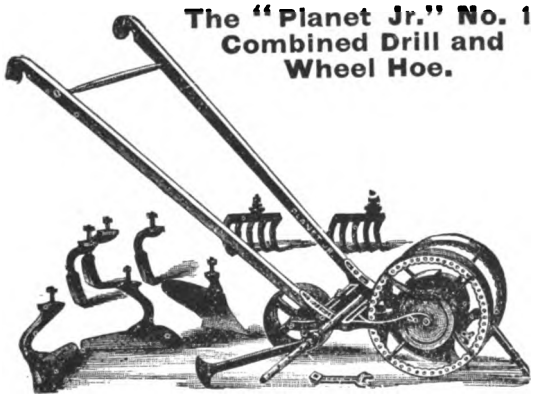


Sows either in Hills or Continuous Row.

No. 18220. Until recently there was no such thing as a Hill Dropping Seeder, modern drills sowing continuously only. This drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills, either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills, or drills, covers, rolls down and marks the next row, all at one operation. The hopper holds three quarts. The wheel is 15 inches high, with a broad face. It is changed in a moment from hill dropping to drill work. It has a rubber force feed, sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seeds, such as radish, cabbage, etc., which are so often peeled or crushed by drills having agitators or metal feed wheels. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge. The plow is adjustable and opens a very narrow furrow, which is a great advantage for after-cultivation.

1896 was the first year that this machine was sold widely by the manufacturers of the celebrated line of "Planet Jr." goods, but the machine was bought very largely by careful gardeners and nurserymen during the season, and gave entire satisfaction. Price $9.00

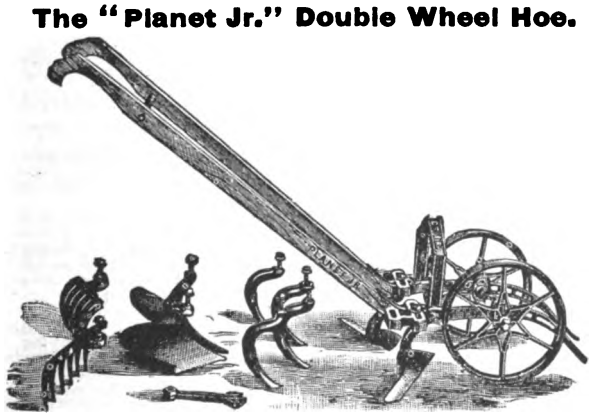
The "Planet Jr." No. 1 Combined Drill and Wheel Hoe.



No. 18221. This is the most popular combined tool known, and its friends have been gained by substantial merit alone. It won the highest and only award at the Chicago Exposition. As a seed sower it is identical with the No. 2 "Planet Jr." Drill, except in size, and has all its merits, its strength, durability, ease of operation and perfection of work.

This combined tool has a complete set of cultivating tools, and all its operations are rapid, easy, perfect and delightful. When used as a drill the seed is sown with great regularity and at uniform depth, regulated at pleasure. The hopper holds one quart. The door, when opened, forms a convenient spout for filling with seed. From a drill it is changed to its other uses by unscrewing but two bolts, when any of the attachments shown in the cut can be instantly attached. In short, every purchaser of this machine will find it an excellent seed sower; a first-class double wheel hoe, for use when plants are small; a first-class single wheel-hoe; an excellent furrower; an admirable wheel cultivator; a capital garden rake; a rapid and efficient wheel garden plow; and that it is without an equal in variety of tools, easy adjustment, lightness, strength and beauty. Price $9.00

The "Planet Jr." Double Wheel Hoe.



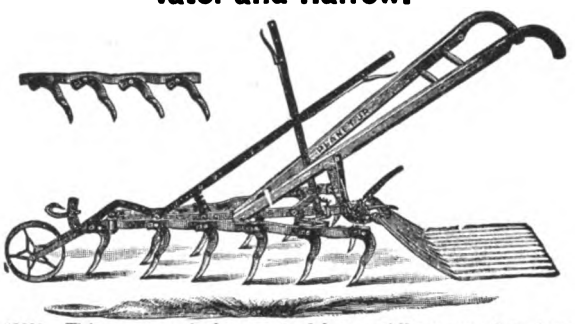
No. 18222. Thousands of farmers and gardeners who own this tool save its cost one or more times every year, for in an onion field and among many other crops one can do more and better work with it than six men with ordinary hoes. It is invaluable for all market garden crops. The wheels are only ten inches high, as a high wheel is wrong for a Wheel Hoe, since the wheels are simply depth regulators, not load carriers.

The "Planet Jr." Double Wheel Hoe will straddle plants eighteen inches high, and finish rows from six to eighteen inches apart at one passage. One hoe sets slightly ahead of the other, to prevent dragging out young plants. The new frame permits the changing of attachments without removing the nuts. All the tools shown in the cut go with the machine for the price; and all the blades are steel, hardened in oil and polished. The wheels are adjustable to make the work shallow or deep, as required, and to adapt the machine to all width rows. The tool is charming in every style and kind of work, the admiration of all who see it in operation, and is the acknowledged standard the world over. Price.. $6.00

To accommodate those who have little work but hoeing, we offer the above machine, with hoes only, under the name of "Planet Jr." Plain Double Wheel Hoe, at $3.50

The other parts can be added at any time, and will be found to fit.

The "Planet Jr." 12-Tooth Strawberry Cultivator and Harrow.



No. 18223. This comparatively new tool has rapidly grown into favor with market gardeners and strawberry growers. It is carefully made and finished, has a high frame and the chisel shape teeth cut an inch wide each, and may be worn down three inches before that width is lessened or the teeth worn out; even then they are cheaply replaced.

It may be set with teeth trailing, by simply changing one bolt in each tooth.

The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion; it contracts to 12 inches, and may be further reduced in width by taking off the outside teeth; it expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. Price, plain, $4.90; with wheel, $6.15; complete. $7.50

The "Fire-Fly" Wheel Garden Plow.

No. 18225. This tool is invaluable for those who have small gardens. The moldboard is tempered and polished steel. The depth may be changed very quickly. The low price brings it within the reach of all. Price..... $2.00

Very useful to plow up the chicken yards.

The "Planet Jr." Grass Edger.

No. 18226. The grand secret of attractiveness in grounds surrounding a house is extreme neatness. The "Planet Jr." Grass Edger assists wonderfully in producing this effect. It will do either straight or curved edging at a speed of a mile an hour. It should be the constant companion of the lawn mower.

Strawberry growers will find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. Price..... $5.00

The "Planet Jr." No. 8 Horse Hoe.

No. 18227. Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

For 1897 we offer important improvements in our No. 8 "Planet Jr." Horse Hoe and Cultivator, as described below:

The Frame is longer than usual and about one and a half inches higher, making a tool that will not clog easily.

The Standards are formed up hollow with round throats of stiff steel; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

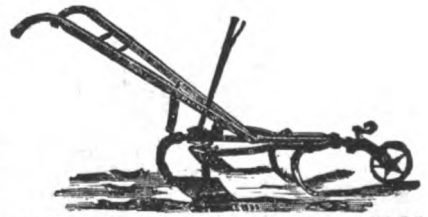
The Depth is under perfect control by means of a new lever wheel and the new patented depth regulator, which are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator.

The Expander. This is an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions.

Handle and Braces. These are also absolutely new and the most effective stiffest combination known, at once making the tool rigid, yet allowing adjustment of handles in height and sidewise.

Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is aways the cheapest. Price, $7.50; without Depth Regulator $7.00

The "Planet Jr." No. 5 Horse Hoe.

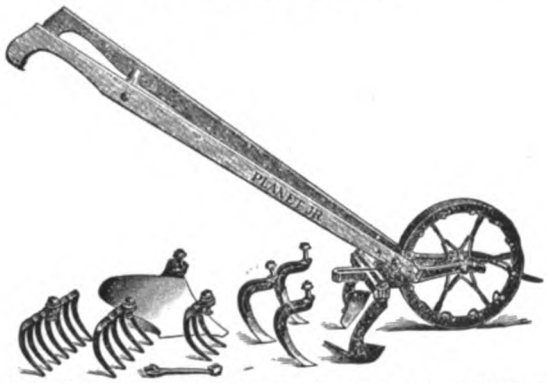


No. 18228. This tool is similar to the No. 8 Horse Hoe, but it has a plain wheel instead of one operated by a convenient lever. It has the same standards and teeth, but is made in other respects like the popular 1895 pattern. It does not have the improved depth regulator and the expander and braces of the No. 8, yet it is strong and serviceable and will give full satisfaction. Has an excellent expander and handles adjustable, both perpendicularly and sidewise. Price..... $6.25

We quote a complete assortment of Garden, Grass and Flower Seeds on Page 25. Profits of dealers are very large on these goods, and you can save these profits by buying of us.

Digitized by Google

The "Planet Jr." No. 15 Single Wheel Hoe, Cultivator, Rake and Plow. Price, Complete, $6.00.



No. 18229. This new Wheel Hoe has the advantage of a high wheel with broad face, of a convenient arrangement of the frame, and a very full set of tools, most of them being of new, special design, such as have been found to perform wheel hoe work in the very best manner. It also has the great advantage of being convertible into a hill dropping and row seeder, by buying the seeder attachment. Price.....**$4.50**

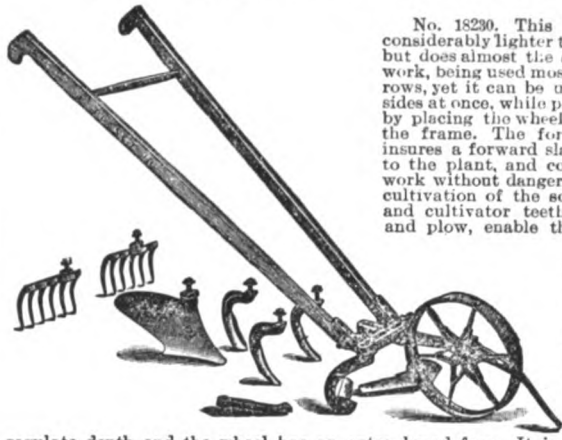
The tools are: A well-shaped garden plow, for plowing, marking out, covering and late cultivation; a pair of neat shield hoes, just right for hoeing in rows 9 to 12 inches, and with the assistance of a cultivator tooth or rake, rows up to 16 inches; a set of three hoes, cutting 3½, 7 and 10 inches wide, respectively, just right for 6, 9 and 12-inch rows, and, two together, for rows up to 16 inches. With two arranged side by side, the rakes are just the thing for preparing ground for the seed drill. It has also a practical leaf guard for fallen plants, such as peas, and for wide spreading plants. It raises the leaves and allows perfect cultivation without injury or increased labor.

It is also sold without rakes and leaf guard. Price.....**$5.00**

Also plain, having only one pair of hoes and one pair of rakes. Price..**$4.00**

The seeder attachment is quickly exchangeable for the wheel hoe frame; it is identical with the "Planet Jr." Hill Dropping Seeder No. 4, and drops at 6, 9, 12, 18 and 36 inches apart. Price.....**$4.50**

The "Planet Jr." Single Wheel Hoe.



No. 18230. This Wheel Hoe is considerably lighter than the double, but does almost the same variety of work, being used mostly between the rows, yet it can be used to hoe both sides at once, while plants are small, by placing the wheel at one side of the frame. The form of the hoes insures a forward slanting cut next to the plant, and consequent close work without danger, and thorough cultivation of the soil. The rakes and cultivator teeth, and the hoes and plow, enable the operator to perform almost every variety of work, either in the field or garden. All rows from 6 to 18 inches apart can be hoed at one passage. The frame is quickly raised or lowered to regulate depth, and the wheel has an extra broad face. It is pronounced by practical men without an equal in design and finish, ease of operation, variety of adjustment and perfection of work, and we feel confident that every one who tries this tool will be glad that he did so.

Price.....**$4.50**

To supply a demand for a cheap Single Wheel Hoe, we offer the above machine (plain, with the hoes only) at **$2.75**, and the other attachments can be added at any time and will be found to fit.

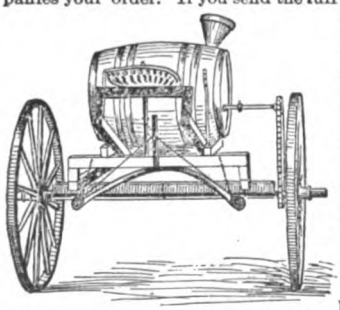
The "Fire-Fly" Single Wheel Hoe, Cultivator and Plow.

No. 18231. This popular tool is exactly the same as the "Planet Jr." Single Wheel Hoe, excepting that it does not have the rakes or leaf lifter. The attachments are a pair of hoes that can be set to work to or from the row, a set of three reversible cultivator teeth, and a large garden plow. The whole tool is light and strong, and capable of standing hard usage for years. Price.....**$3.75**

Send for Our Special Catalogue of "Planet Jr." Garden Tools.

Our $25.00 Western Potato Bug Sprinkler.

No. 18232. $25.00 is our regular price when sent by freight C. O. D., subject to examination, on receipt of a sufficient deposit to cover freight charges both ways. Three per cent. discount allowed if cash in full accompanies your order. If you send the full amount of cash with your order $24.25 pays for the sprinkler.

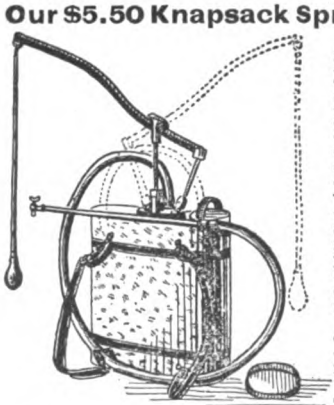


This is the best potato bug sprinkler on the market. It applies the poison upon two rows at once, and will cover 12 to 15 acres per day. It is the cheapest, simplest and most perfect potato bug sprinkler ever invented. Any boy that can drive a horse can perform more easily the same amount of work it heretofore required 12 men to perform in the same time. You have complete control over the quantity of water you wish to throw, opening or closing the valve with the lever.

The wheels run on tubular axles and can be shifted to any width of rows desired, 2 to 3 feet. Weight, 450 lbs.

Price.....**$25.00**

Our $5.50 Knapsack Spray Pump.



No. 18233. **$5.50** is our price when sent by freight C. O. D. subject to examination on receipt of a sufficient deposit to cover freight charges both ways. Three per cent. discount allowed if cash in full accompanies your order, in which case **$5.35** pays for the pump.

This is a thoroughly first-class outfit, designed for orchard, vineyard or general use. Four to six acres of vines can be covered in one day. The tank holds five gallons and is fitted with lid and strainer which can be removed. It is a brass bucket spray pump with air chamber, ball valves, solid plunger and agitator. We wish to call attention to the fact that this is the only knapsack spray pump on the market with an agitator. It is so arranged that no water can drip on the operator.

Our House is the

CENTER

From which great bargains emanate.

The pump can be removed easily. It can be carried by hooking snap in staple on opposite side provided for the purpose, as shown by dotted lines. The handle lever can be shifted from right to left shoulder at will. Price.....**$5.50**

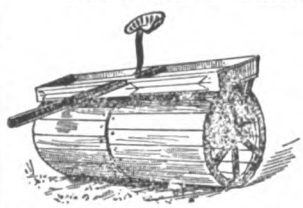
$15.00 for the Celebrated Sherwin Patent Adjustable Field Roller.

The rollers are made from 18 to 22 inches in diameter, and 3 feet in length, covering 8½ feet of ground. They are turned from solid oak logs and painted. The gudgeons are cased with a flange, and bolted to the rollers, not driven in.

The weight is in the rollers, and rests directly on the ground, not in a box on top of the bearings to produce friction. Weight, 1,200 to 1,700 lbs., according to the size of rolls. When the rollers are to be shipped a long distance parties ordering can save by ordering the frame and seat only, and supplying the log sections themselves.

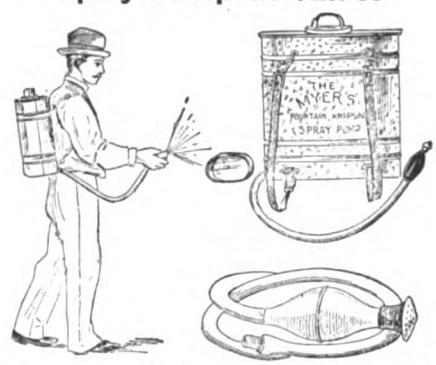
No. 18234. Price, without rolls.....**$15.00**
Price, complete, with rolls..... **20.00**

Our $16.75 Land Roller.



No. 18235. This is the best Land Roller on the market, at anything like the price. It is a light-running, easily balanced roller. Each drum turns independently of the other. The drums are 3 feet 8 inches long, and 30½ inches in diameter. The stays are of white oak, bolted to strong, cast heads. The box is 22 inches wide by 8 feet long, supported by heavy brackets in the center and at both ends, to an axle 1¼ inches in size, running through both drums. Weight, 700 lbs. Price...**$16.75**

The Celebrated Myers Knapsack Spray Pump at $2.75.



$2.75 is our regular C. O. D. price. **$2.67** pays for the pump if cash in full accompanies your order.

This pump is constructed of the very best galvanized iron with round corners. Built with tight lid to prevent the liquid from splashing on the operator. It is fitted with adjustable straps so as to be carried on the back where it can be carried by the bale. The hose and bulb are made of the best white rubber and protected at each end by coiled wire to prevent breaking. The valves are made of brass and will not corrode. Have large openings which permit a free flow of water and shut off instantly when under pressure. Nozzle is made of brass, nickel plated. Has 50 small openings and throws a spray 6 feet wide, a distance of 12 feet. Will work at a rapid walk. Holds 5 gallons. Weight 75 lbs. when full.

No. 18236. Pump complete with one tube, rubber bulb and hose. Our special price.....**$2.75**

Paris Green Sprinkler.

No. 18237. Every one that raises potatoes should have one of these sprinklers.

It enables you to protect your potatoes from bugs. Requires only ¼ the amount of Paris green used by any other method.

Will sprinkle 1 acre per hour and not wet the person carrying it. Is painted inside and out, and has an apparatus inside by which the Paris green and water is kept mixed constantly.

The quantity to be used is regulated by pressure of the fingers on the hose at the connection of hose and tin pipe.

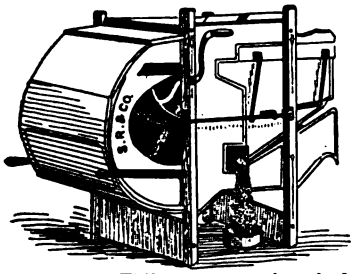
Price, each.....**$3.50**

Should you fail to find what you want, refer to the index. If you don't find it there, write us and we will name you a price that will save you money.

Digitized by Google

$11.90 for an Acme Fanning Mill.

$11.90 is our regular price when shipped by freight C. O. D., subject to examination, upon receipt of a sufficient deposit to cover freight charges both ways. Three per cent. discount allowed if cash in full accompanies your order, when $11.54 pays for the fanning mill. Please consider our net cash with order price when comparing our prices with those of other houses.



The Acme Fanning Mill is we believe the best mill on the market at anything like the price. It has plenty of wind and shake and carries more screen than any other mill on the market. Will separate wild seed from wheat in one operation. Will separate the foul seeds, such as mustard, pigeon grass, etc., from flax on once going through the mill. Is a perfect cleaner of clover and timothy. We ship all mills knocked down so as to secure the lowest freight rate possible, and you will find the freight will amount to next to nothing as compared with what we can save you in price. We furnish this mill with one wire wheat hurdle, three sieves, wheat screen, wheat grader, corn and oat sieve and barley sieve. This is a fanning mill that is being retailed everywhere by implement dealers at $20.00 to $25.00. When we are able to offer you such a mill at **$11.90** and send it to you by freight C. O. D., subject to examination, we believe we are entitled to your order.

No. 18238. No. 1 Farm Mill, weight, 120 lbs., sieves 24 inches wide, capacity 60 to 90 bushels per hour.
Price.....**$11.90**

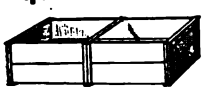
No. 18239. No. 2 Farm Mill, weight, 125 lbs., sieves 30 inches wide, capacity 100 to 125 bushels per hour.
Price.....**$15.85**

No. 18240. No. 2 Warehouse Mill, weight, 175 lbs., sieves 40 inches wide, capacity 200 to 300 bushels per hour. Price.....**$34.00**

No. 18241. No. 3 Warehouse Mill, weight, 200 lbs., sieves 48 inches wide, capacity 300 to 400 bushels per hour. Price.....**$43.50**

We can furnish these mills with any special attachment when desired.

Square Wood Watering Tanks.



Our prices are from **$10.15** to **$19.00.** These tanks are made of the very best seasoned hardwood, thoroughly well ironed and stayed and guaranteed not to leak.

	Capacity.	Weight.	Size.	Price.
No. 18242.....	11 barrels	450 lbs.	11 foot	$10.15
No. 18243.....	13 barrels	500 lbs.	12 foot	12.25
No. 18244.....	18 barrels	575 lbs.	13 foot	14.75
No. 18245.....	20 barrels	650 lbs.	15 foot	17.10
No. 18246.....	22 barrels	700 lbs.	16 foot	19.00

Farmers' Round Wood Tanks.

There is nothing more economical on the farm than one of these round wood tanks for watering stock, and we have succeeded in offering a thoroughly substantial tank, one that can be guaranteed in every respect, at prices lower than the same class of goods has ever been sold before.

	Stave.	Bottom.	Weight.	Capacity.	Price.
No. 18247.	2 foot,	5 foot,	200 lbs.,	8 barrels,	$ 7.50
No. 18248.	2 foot,	5½ foot,	250 lbs.,	11 barrels,	8.12
No. 18249.	2¼ foot,	5½ foot,	300 lbs.,	11 barrels,	8.75
No. 18250.	2½ foot,	5½ foot,	325 lbs.,	14 barrels,	9.35
No. 18251.	3 foot,	5½ foot,	350 lbs.,	16 barrels,	10.75
No. 18252.	4 foot,	5½ foot,	400 lbs.,	22 barrels.	13.50
No. 18253.	2¼ foot,	6 foot,	350 lbs.,	14 barrels,	10.00
No. 18254.	2¼ foot,	7 foot,	450 lbs.,	22 barrels,	13.00
No. 18255.	2¼ foot,	8 foot,	470 lbs.,	30 barrels,	14.25

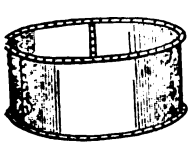
No. 18256. Covers for round wood tanks, 5 feet.....**$2.00**

No. 18257. Covers for round wood tanks over 5 feet.....**$2.50**

The capacity of these tanks in barrels is based on 50 gallons to the barrel.

Galvanized Riveted Steel Tanks.

These tanks are durable, will not shrink, swell, leak or fall down, will weigh only one-half as much and are very much stronger than the wood tanks. Capacity, ¼ more, because the sides are straight and the bottom is the bottom. No soaking required, for they never leak. A fire box of either stone or brick can be built under this tank, forming an excellent tank heater.



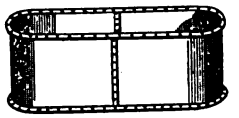
These tanks are made of the very best quality 17 gauge galvanized steel.

$8.00 buys a 6 barrel capacity galvanized steel tank.
$25.00 buys a 23 barrel galvanized steel tank.

	Capacity.	Price.
No. 18258.	6 barrels.....	$8.00
No. 18259.	7 barrels.....	9.00
No. 18260.	9 barrels.....	11.00
No. 18261.	12 barrels.....	13.00
No. 18262.	14 barrels.....	15.50
No. 18263.	17 barrels.....	19.00
No. 18264.	20 barrels.....	20.00
No. 18265.	27 barrels.....	25.00

Oblong Galvanized Steel Tanks at from $10.00 to $27.00.

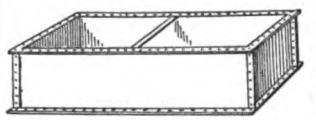
Our **$10.00** tank has a capacity of 7½ barrels; our **$27.00** tank has a capacity of 29 barrels. These tanks are made of the very best quality 17 gauge steel, galvanized and warranted not to rust. They are absolutely indestructible.



	Capacity.	Weight.	Price.
No. 18266.....	7½ barrels.	80 lbs.	$10.00
No. 18267.....	9½ barrels.	109 lbs.	11.50
No. 18268.....	12 barrels.	132 lbs.	13.25
No. 18269.....	15 barrels.	165 lbs.	16 50
No. 18270.....	18 barrels.	200 lbs.	19.50
No. 18271.....	24 barrels.	265 lbs.	24.00
No. 18272.....	29 barrels.	295 lbs.	27.00

Galvanized Riveted Steel Square Tank.

We offer these tanks at $11.00 for a 7½ barrel tank, $29.20 for a 29 barrel tank.

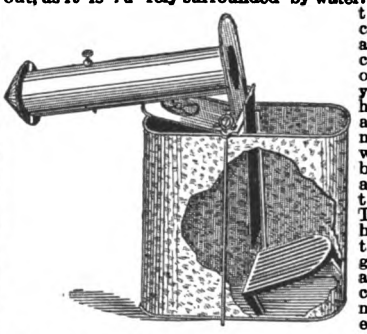


Consider these prices are our regular prices when tanks will be shipped by freight C. O. D. subject to examination on receipt of sufficient deposit to cover freight charges both ways. Three per cent. discount allowed if cash in full accompanies your order. Deduct 3 per cent. from our prices before comparing them with the net prices of other houses.

	Capacity.	Price.
No. 18273.	7½ barrels.....	$11.00
No. 18274.	9½ barrels.....	12.65
No. 18275.	12 barrels.....	14.30
No. 18276.	15 barrels.....	18.15
No. 18277.	17 barrels.....	20.90
No. 18278.	23 barrels.....	25.30
No. 18279.	24 barrels.....	26.40
No. 18280.	29 barrels.....	29.70

Our $4.75 Improved Acme Tank Heater.

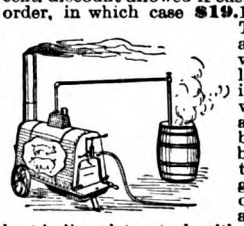
No. 18281. This tank heater is used for warming water in stock tanks. Five cents worth of soft coal per day and the Acme Tank Heater will heat the water for 50 head of stock. This heater can not possibly be burned out, as it is entirely surrounded by water. No trouble to keep it cleaned out, as the fire box can be taken out by a ten-year-old boy; has an adjustable draft, by means of which it can be heated to any desired temperature. The cover is hinged in the center, giving ready access to ash chamber, making it easy to remove the ashes or replenish the fuel. The partition can also be withdrawn—grate can be removed—and the entire contents of the heater cleaned out in a few moments' time. It can be located at such a place in the tank as is most convenient; can be secured in place, or removed at pleasure without injury to the tank. The heater is oblong in shape, as shown in cut; is made of galvanized iron; has a cast iron slide, which partitions the ash chamber from the other chamber; removable grate, with ample space beneath for ashes; cover is of cast iron, fitted closely, and not liable to warp, as is the case with sheet iron. A draft regulator is provided in the cover. The heater is fastened to the tank bottom by means of rod and wood screws. A poker and shovel accompany each heater. Size, 24 inches deep, 24 inches long and 13 inches wide. Weight, 113 lbs.



Price.....**$4.75**

The Acme Feed Steamer for $19.75.

No. 18282. **$19.75** is the price if sent by freight C. O. D., subject to examination, on receipt of a sufficient deposit to pay freight charges both ways. Three per cent. discount allowed if cash in full accompanies your order, in which case **$19.16** pays for the machine.



This steamer, as illustrated above, has a large and convenient fire-box, the whole length of the boiler—40 inches—being covered with water entirely over the top and down both sides to the bottom, which gives the full benefit of all the heat from the fuel, and making it of greater capacity than all other steamers. It is easily and simply filled. Made of best boiler plate steel with heavy cast iron heads put together with bolts that pass through the flanges on the heads; therefore there is not a single hole in the steel inside the fire-box. There is water over the thin sheet down both sides of the fire-box, which gives it the same capacity as a flue boiler without any of the disadvantages. No clogging up or leaking. They are easily and quickly filled with an apparatus furnished with each steamer and can be filled when steaming. There is a stopper on each side of the pump on the bottom to open and insert a rod to loosen any and all sediment, and which will clean it out in five minutes. They are also used for letting the water out. The steamer is mounted on large wheels, and is easily moved to any place where needed. The fire-box is 8 feet long, 10 inches deep, 12 inches wide, has an adjustable partition, and can be used for coal, wood, or cobs. As many as six barrels can be steamed without moving either barrels or steamer. Will steam sufficient to cook two to three barrels with only one filling. Is very useful for heating water for slaughtering, for making soap, and for laundry and dairy purposes. Will get up steam in 10 to 20 minutes, and will cook up a barrel of turnips or potatoes in 15 to 20 minutes. We furnish this steamer equipped with a small hand pump for putting water in the boiler, which is a great improvement. Boiler is 40 inches long. Weight, 350 lbs.

Price.....**$19.75**

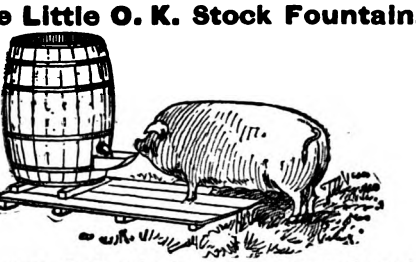
Our $4.90 Cast Iron Pig Trough.

No. 18283. **$4.90** is the price when sent by freight C. O. D. subject to examination on receipt of a sufficient deposit to cover freight both ways. Three per cent. discount allowed if cash in full accompanies your order, in which case **$4.75** is the price. Please consider our price of **$4.75** cash in full with order, when comparing our prices with those of other houses.

In each trough there are 8 separate compartments; 8 large hogs can eat at one time. Different kinds of feed can be fed at the same time, the bowls preventing them mixing. Hogs cannot upset the trough and waste their feed, nor is there any leaking. There is very great economy and satisfaction in using these troughs. Made of cast iron they will not break; in fact are indestructible. Height, 24 inches; width, 32 inches; weight, 120 lbs.

Our special price on regular terms.....**$4.90**

The Little O. K. Stock Fountain.



No. 18284. Is the only absolutely Automatic Fountain made. Can easily be placed in operation by anybody who knows how to bore a hole in the side of a barrel or tank. Simply bore a hole and then screw the pipe (which is part of the fountain) into the barrel, and it is ready for use, requiring no further attention.

It is simply a watering trough made of metal, with a pipe shank to screw into the barrel or tank, with automatic valve, furnishing water as fast as consumed; one that will easily supply water each day to one hundred animals. No part is operated by springs, floats or "nose pressure," but simply a positive equipoise valve. This fountain is all iron, except valve. It will last a generation.

Sheep, calves and chickens, as well as hogs, always find the drinking bowl of the fountain full of fresh water, and as fast as it is consumed more flows in to take its place without any pressing down of the animal with his nose to open the valve.

This fountain has no working parts in the drinking bowl to get detached, lost or stolen by mischievous boys, or under which corn cobs or sediment may lodge and prevent its operation. Nothing can obstruct it, and it is always in order and full of fresh water. It has no working part except the valve, which is beyond the reach of the stock and located where dirt or sediment cannot lodge. Weight, about 11 lbs.

Our price, complete.....**$1.75**

Forges for Farmers.

A SPLENDID RELIABLE FORGE FOR

$7.95.

Regular $12 Value

SEE PAGE 64.

Complete outfits for Blacksmiths and Repair Shops.

Our Grocery Department deserves your attention at least once a month. We can save you from 20 to 40 per cent., and besides they make up nice freight orders with which to ship small articles.

Digitized by Google

Our $3.50 Boss Sickle Grinder.

No. 18285. If you pay us **$3.50** for this grinder you will save more than the cost of it in time the first season, to say nothing of the amount of satisfaction in doing the work in the field with greater comfort. **$3.50** is our regular price; 3 per cent. discount allowed if cash in full accompanies your order, in which case **$3.40** pays for the grinder.

This implement comprises a first-class grind stone with a sickle grinder attachment, and as either is worth double its cost, the cost of it is a trifle more than the ordinary grind stone, and it will answer for all purposes. The stone is accurately centered, hung true, and does perfect work. The height of the stone is 18 inches; it is 2¾ inches thick, and the complete outfit weighs 123 lbs. Our special price, **$3.50** on regular terms; **$3.40** if cash in full accompanies your order.

Our $3.25 Truck with Sack Holder.

No. 18286. This is an implement that is almost indispensable on the farm. It is worth its cost a dozen times over every season. We believe it is the best combination truck and sack holder made. We can guarantee it superior to those offered by many at from $3.50 to $5.00.

The illustration represents the sack placed on the holder and truck ready for filling. The holder is composed of a semi-circular malleable casting, to which is hinged a steel spring bar. The casting has a flange on the outside over which the sack is placed. The spring bar is then brought over the top of the flange and placed directly under it. This holds the sack firmly and cannot injure it in the least. Our price for truck with combination sack holder, complete **$3.25**

Trucks.

No. 18287. Warehouse Truck (like cut). Hard wood, well ironed, neatly finished. Axles turned and wheels bored. **Steel nose, side straps, axles and legs.**

We guarantee this the best truck on the market, and, quality considered, 20 per cent. cheaper in price than any other.

No.	Length Handle.	Width.	Weight.	Price.
1	3 ft. 11 in.	19 inches	44 lbs.	$2.80
2	4 ft. 4 in.	20 inches	56 lbs.	3.55
3	4 ft. 8 in.	22 inches	77 lbs.	4.95

No. 18288. Daisy Truck, with steam bent handles. Length of handle, 46 inches; width at nose, 12 inches; at upper cross-bar, 17½ inches. Weight, 30 lbs. Price, each **$1.65**

Our special price of $1.65 ought to induce you to give us your order if you are in the market for a light truck.

The man who makes these trucks has the reputation of making the best trucks sold in Chicago.

Our $3.25 Wood Frame Barrel Cart.

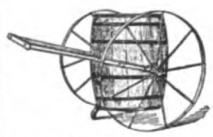
No. 18289. **$3.25** is our price on regular terms. Three per cent. discount if cash in full accompanies your order, when **$3.15** pays for the cart. Consider our discount when comparing prices, and note the cash with order price is **$3.15.**

We furnish the trucks only, which can be attached to any barrel. Very useful for gardening and feeding purposes. Large flanges to fit any barrel. Two of these barrels will be found very convenient, one kept near the kitchen door to be filled with skim milk or other slops, while the other is to be kept at the piggery. The patent device to be attached to different barrels costs more, and is not as convenient as a set of wheels, and handles to each barrel. Please note that we do not furnish the barrel, but any good molasses or kerosene barrel will answer. Weight, 65 lbs.

Price **$3.25**

Our $3.30 Steel Frame Barrel Cart.

No. 18290. **$3.30** on our regular terms; **$3.20** if cash in full accompanies your order.

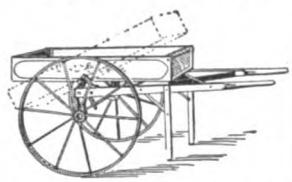


This cart is made entirely of steel, no wood being used in its construction. The frame, wheels, and all are made of the very best Bessemer steel, all made extra strong, and will stand any kind of usage. We do not furnish the barrel, but only the frame, wheels, and iron to attach to barrels. It will fit to any kind of a barrel, kerosene, molasses, or vinegar barrel. Weight, 49 lbs.

Price **$3.30**

Our Combination Barrel and General Utility Cart.

This is a combination implement that is almost indispensable on any farm. At the low price we offer it will pay for itself a dozen times over every year. We sold so many of these combination outfits last year that we have arranged for the coming season for a large number. We are having them better made than ever before. The manufacturer has agreed to put in better material and so construct them that they will be practically indestructible. While there are similar combination carts on the market we believe there is nothing that will compare with ours in quality of material, strength, durability and finish.



Complete combination for **$6.00;** without box, **$5.25.**

These prices are subject to 3 per cent. discount if cash in full accompanies your order, making the prices **$5.82** and **$4.12.** Always consider this discount when comparing our prices with those of other houses.

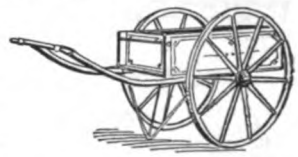
The two illustrations above show this combination barrel and general utility cart used as a hand cart with box, the dotted lines in the illustration showing the manner in which the box can be dumped, also as a barrel cart with the box removed, which can be done in an instant. The attachment to barrel and the attachment for the automatic dumping of the box are also shown in one of the illustrations. The barrels have iron gudgeons bolted to each side. The cart will pick up the barrel or box in a moment. One cart answers for any number of barrels required. We furnish everything here shown (except the barrel) for **$6.00.** Wheels are 30 inches high. Box is 4 feet long, 2 feet 6 inches wide, 6 inches deep; weight, 100 lbs. Please note that we do not furnish the barrel, but any kerosene, molasses or vinegar barrel will answer.

No. 18291. Our price for cart with box as here illustrated, with irons for 1 barrel **$6.00**
No. 18292. Without box **4.25**
No. 18293. Irons for each additional barrel. Per pair **75c**
No. 18294. Cart box iron. Per pair **70c**
No. 18295. Axle irons. Per pair **$1.00**

FIGURE UP the retail cost of what Implements you have. COMPARE THE PRICES you paid with those we quote here. THE DIFFERENCE is just the amount we would have saved you. Think of that in the future.

Our $4.90 Cart.

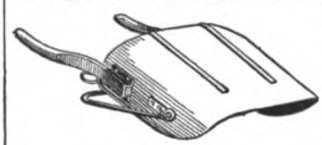
No. 18296. **$4.90** is the price for this cart on regular terms. Three per cent. discount allowed when cash in full accompanies your order, in which case **$4.75** pays for the cart.



This is a very useful implement on the farm about the barns, stable or garden. Has 36-inch wheels, box is 24x36 inches in size, 10 inches deep; weighs 85 lbs. Has removable end boards, bent handles, iron foot rest, iron hubs, is well painted and striped, in every respect a first class job. Price, **$4.90**

The Best All Steel Road Scraper Made for $4.40.

For **$4.40** we offer a road scraper that you could not buy elsewhere within 50 per cent. of the price. Guaranteed the best made. Made from heavy plates of steel specially hardened and stamped from one sheet without joints, seam or rivet. It is superior to any other drag scraper on the market. The bowl being made of thicker and harder steel enables it to scour where all other scrapers fail, and owing to the sharp rounded nose will enter the ground more readily than any other scraper. Bowls are steel, perfect working, handles are best hardwood. Will guarantee this scraper in every particular. Is made in three sizes.



No. 18297. Carries 4 feet of earth, weight, 90 lbs.; price each **$4.40**
No. 18298. Carries 5½ feet of earth, weight, 100 lbs.; price **$4.90**
No. 18299. Carries 7 feet of earth, weight, 110 lbs.; price **$5.40**

All our scrapers are furnished with runners on bottom without charge. The runners increase the durability and materially lessen the draught in hauling.

Barrows.

This wheelbarrow is well made. Has full sized tray. Wheels 16 inches in diameter. When packed for shipment wheel is bolted on inside of tray and legs are folded on side of handle. Can be easily set up by any one.

No. 18300. Half bolted railroad Wheelbarrow, with wood wheel. Each **$1.00**
No. 18301. Half bolted railroad Wheelbarrow, with steel wheels. Each **$1.10**

No. 18302. Clipper garden Wheelbarrow is strong, well made and nicely painted and striped. With steel wheel. Price .. **$2.50**

No. 18303. Tubular steel miners' Barrow. Size No. 6. Tray made of No. 14 steel. Capacity, 3 cubic feet of dirt. Weight, 80 lbs. Price, each **$5.82**

We can give you rock bottom prices on mining or contractors' supplies. Send us your specifications for prices.

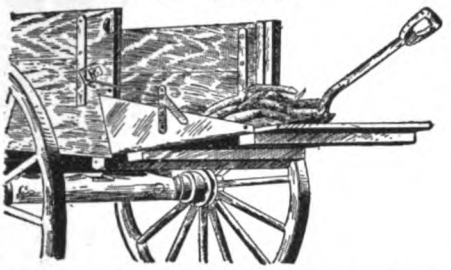
Our $2.10 Handsome Lawn Wheelbarrow.

No. 18304. This is the handsomest and best Lawn Wheelbarrow made. This wheelbarrow has finely shaped handles, braced with steel; two coats of brightest and best vermillion paint; one coat of high grade varnish; sideboard staples are riveted, non pull out. It is the best mortised wheelbarrow on the market. These barrows are fitted with the neatest steel wheels, 18 or 20 inches. In this feature they are incomparable. There are few barrows on the market having wheels larger than 16 inches. These wheels are constructed on the latest improved model of the bicycle, and are remarkably light and substantial broad tired wheels. Our special price for this wheelbarrow **$2.10**

Our prices are low, but the quality of the goods does not suffer. It does not take high prices to make good goods. Don't be fooled by your local dealer.

Digitized by Google

The Acme Shoveling Board for $1.60.



No. 18305. No loose parts to be detached or to be lost. The rods do not extend below the box to catch or get bent. It is not attached to the box, making it more substantial. It can be thrown on top of the box without detaching. Very useful in dumping grain or shelled corn, or on hog or sheep racks. Weight, 45 lbs.
Price.....**$1.60**

Jack Screws.

No. 18306. Jack Screws, wrought iron screws, cast iron stands. We do not furnish levers with these screws.

Diam. of screw.	Height of stand.	Height over all.	Price each.	Price per doz.
1½ in.	8	12	$1.12	$12.00
1½ in.	10	14	1.27	14.25
1½ in.	12	16	1.40	15.75
1¾ in.	10	14	1.50	17.25
1¾ in.	12	16	1.67	18.00
1¾ in.	14	18	1.80	20.00
2 in.	8	12½	1.60	18.00
2 in.	10	14½	1.80	20.00
2 in.	12	16½	2.00	22.00
2 in.	16	20½	2.40	27.00

Press Screws.

No. 18307. **For pressing cider, wine, tobacco, lard, cloth, etc.** These Screws are made of wrought iron, with cast iron nuts and caps.

Diameter of Screws	24-in. long Price each.	30-in. long Price each.	36-in. long Price each.	40-in. long Price each.
2 inches	$2.25	$2.55	$2.90	$3.10
2½ inches	3.20	3.60	4.00	4.30
3 inches	5.10	5.80	6.40	6.85

Hay Pitching Tools.

Hay tools are now so well known that it is hardly necessary for us to go into detail in description of them. The goods we sell are made by one of the largest makers of this class of goods, and **under another name** are sold at much more than our prices. We list here a full line and at prices which (quality considered) are below competition.

No. 18326. The Double Harpoon Hay Fork, for general use. Made from best quality iron and steel. Weight, about 18 lbs.
Price each **63c**

No. 18327. The Long Time Double Harpoon Hay Fork, for loose straw, etc., made in same quality as above. Distance from cross-bar to end of tines, 32 inches; Weight, 30 lbs. Price each.....**$1.30**

No. 18328. Grapple Horse Hay Fork, with four tines. Weight, about 40 lbs.
Price each.....**$4.25**

No. 18329. Grapple Horse Hay Fork, with six tines. Weight, about 55 lbs.
Price each, **$5.25**

No. 18330. The Improved Single Harpoon Hay Fork. Full regular size. Weight, about 7 lbs. Price each, **$1.25**

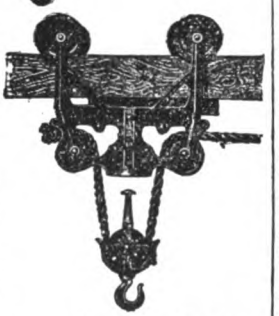
Wagon Sling.

No. 18333. The Standard Wagon Sling is used to take the place of a horse hay fork. Place one of these slings on bottom and another in the middle of load, and load may be removed in two hoists. Most people prefer to

use three slings and make three hoists of the load. Is made adjustable to suit any length of rack. Cut shows hoist with four spreaders. Two may be used to make the sling lighter. Weight, about 18 lbs.
Price each.....**$2.25**

No. 18334. This Sling Pulley is to be used in connection with our Standard Wagon Sling and either of our carriers. Weight, 10 lbs. State which carrier the pulley is to match. Price for pulleys as shown in cut (no rope included) **$2.00**

Hay Carriers.

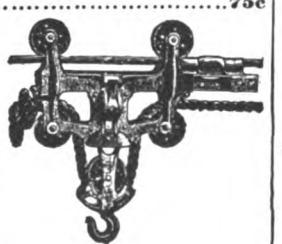


No. 18336. The Sears, Roebuck & Co. Reversible Hay Carrier for wood track. Has **positive dead lock.** Made of the best malleable iron and does the best of work. Very simple, strong and durable. The travelers and rope pulley revolve on **turned iron bushings.** Will work on ordinary 4x4 or 3x4 wood track. Weight, 27 lbs. Price each.....**$3.00**

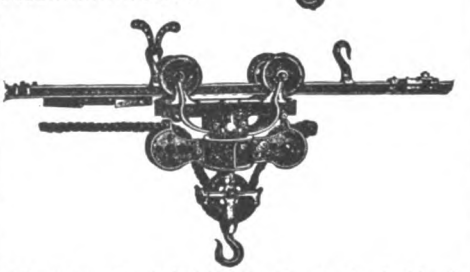
No. 18338. The Sears, Roebuck & Co. Swivel Hay Carrier for wood track. The merits of this carrier are many—Strength; **positive dead lock; large flanged wheels.** Ready adjustment to the stop on the track and the ease and perfection of its entire operation make this the most desirable carrier in the market. Is made from the best malleable iron. Works on track 4x4 (which should always be dressed), and reverses by swivel without having to pull the rope through. Weight, about 30 lbs. Price each.....**$3.50**

No. 18339. Extra stops for wood track carrier. Price, each **25c**

No. 18340. Extra trip pulleys. Weight 4 lbs. Price each **75c**



No. 18342. Our new Reversible Rod or Cable Hay Carrier. Is simple in construction, and will work either way from the stop without changing on the track. Strong and well made, and will give satisfaction if properly used. Weight, 20 lbs. Price.....**$3.00**



No. 18344. Our Swivel Carrier, for single steel track. The construction is of same high class as all other carriers sold by us. Made of best malleable iron, steel turned bushings, and thorough workmanship. Every carrier fully warranted. Weight, about 27 lbs. Track is furnished in lengths of 6, 8, 10 and 12 feet each, so track can be furnished for any length barn without cutting. Price of Carrier only.....**$3.00**

No. 18345. Track for above Carrier, including couplings and bumper. Per foot.....**12c**

No. 18346. Hanger Hook, with rafter irons. Per set, 1 hook and 1 rafter iron.....**11c**

No. 18348. Our Swivel Carrier for double steel track possesses all the good features described in our wood track hanger. Guaranteed in every respect. Weight, about 30 lbs. Track furnished in lengths of 6, 8, 10 or 12 feet.
Price for Carrier only.....**$3.50**

No. 18349. Track for above Carrier, including couplings and bumper. Per foot.....**12c**

No. 18350. Hanging Hook and Rafter Iron. Price for one of each.....**11c**

No. 18356. Solid Steel Grapple Hook, for hooking into rafter or beam where holes cannot be bored. Weight, 4½ lbs. Price each.....**75c**

For the convenience of our customers we show below what constitutes a complete outfit for the various carriers quoted by us.

No. 18358. Outfit for Wood Track Carrier for 40-foot barn; everything except wood track, which we do not furnish. 1 carrier, **$3.00**; 1 fork, **63c**; 13 rafter irons, **65c**; 13 hanging hooks, **65c**; 6 floor hooks, **42c**; 5 knot passing pulleys, **$1.25**; 110 feet manilla rope, ¾-inch, **$2.20**; 50 feet check rope, **50c.** Complete outfit, **$9.30.**

If wanted for barn longer than 40 feet, add 8c to this price for each additional foot in length of barn.

No. 18359. Outfit for Steel Track Hanger for 40-foot barn, complete with track. 1 carrier, **$4.00**; 1 fork, **63c**; 40 feet steel track, **$4.80**; 13 rafter irons, **65c**; 13 hanging hooks, **65c**; 6 floor hooks, **42c**; 5 knot passing pulleys, **$1.25**; 110 feet manilla rope, ¾-inch, **$2.20**; 50 feet check rope, **50c.** Complete outfit, **$14.10.**

If wanted for barn longer than 40 feet, add 19c to this price for each additional foot in length of barn.

No. 18360. Outfit for Cable Carrier for barn 50 feet in length. 1 carrier, **$3.50**; 1 fork, **63c**; 50 feet cable with clamps and eye bolts, ready to hang, **$2.50**; 5 knot passing pulleys, **$1.25**; 120 feet ¾-inch manilla rope, **$2.40**; 75 feet check rope, **40c**; 6 floor hooks, **42c**; 2 hanging hooks rafter irons, **30c.** Complete outfit, **$10.90.**

For barn more than 50 feet in length, add to this price 6c for each additional foot in length.

Cable will not be cut for lengths less than 50 feet.

Any parts listed above furnished at prices quoted.

No. 18361. Outfit for Cable Carrier for stack using 50 feet of cable. Stack poles and end stakes not furnished. 50 feet cable clamps and eye bolts, ready to hang, **$2.50**; 2 knot passing pulleys, **50c**; 120 feet ¾-inch manilla rope, **$2.40**; 75 feet check rope, **40c**; 1 fork, **63c**; 1 cable carrier, **$3.00**; 2 50-foot guys with loops and clamps, **$2.47.** Outfit complete, **$11.90.**

Outfit for Cable Carrier to be used for either stack or barn, or for both as desired. Price, complete, **$13.47.**

No. 18365. The places where this device can be used to advantage are only known to those who have had them on their farm. One on each end of a piece of rope often takes the place of a log chain, and is much lighter and better to handle. For hay carrier outfit they do away with twisting of rope. Take up can be made in a minute's time. They are made of the best malleable iron. Weight, about 1 lb.
Price each.....**20c**

No. 18367. Rafter Irons for use in hanging track. Weight each, ¾ lb.
Price each.....**5c**

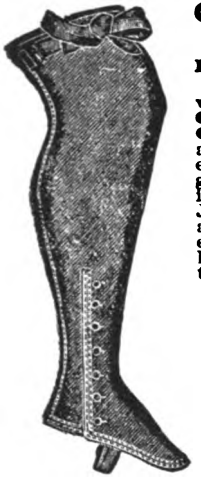
No. 18368. Straight, Hanging Hooks for use in hanging wood track to above brackets. Each.....**5c**

No. 18369. Jointed Hanging Hooks, with wood screw thread on one end for use in hanging wood track to beam without using bracket.
Price each.....**10c**

No. 18370. Floor Hook, to screw into floor to hold pulley. Price each.....**7c**

No. 18371. Knot Passing Hay Fork Pulley, will take ¾ to 1 inch rope. Malleable iron frame, wood sheave. Price each **25c**

Digitized by Google



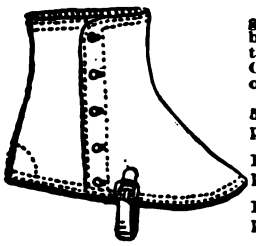
Combination Thigh Leggin.

Ladies, Misses and Children.

No. 31530. This cut is a very good illustration of our Combination Leggin and Overgaiters. It is without a doubt the best fitting, warmest and most comfortable leggin that can be produced. Being made from a fine black Jersey cloth it fits as closely as a stocking and conforms to every movement of the limb. Has 7 buttons up side and elastic top.

Ladies' sizes, 1 to 7.
Price per pair $1.45
Misses' sizes, 12 to 2.
Price per pair.....$1.20
Child's sizes, 8 to 11.
Price per pair..... ..$0.80

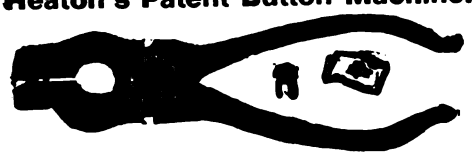
Men's Overgaiters.



Men's Heavy Overgaitors, made from fine black cloth and just the thing for winter wear. Give size of shoe when ordering.

No. 31540. Heavy 5-Button Melton. Per pair..... $0.25
No. 31541. Heavy 8-Button Melton. Per pair..... $0.45
No. 31542. Heavy 5-Button Beaver. Per pair..... $0.45
No. 31543. Heavy 5-Button Imported Kersey. Per pair,.....$0.65
No. 31544. Heavy 5-Button Imported Kersey. Per pair.....$0.65
No. 31545. Heavy 8-Button Imported Kersey. Per pair $0.85

Heaton's Patent Button Machine.



No. 31555. This is one of the Most Useful Machines Ever Invented. It is very simple and most any child can fasten the buttons on his own shoes. Every family should have one. Price each, 55c; 1 gross fasteners for above, 10c; 1 great gross.$0.85

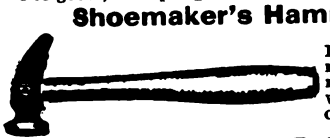
Black Shoe Buttons.

No. 31556. Ordinary Size first quality black shoe buttons. Price per gross, 4c; per great gross.$0.40

Colored Shoe Buttons.

No. 31557. Best quality Shoe Buttons, medium size, in red, brown or russet.
Per gross, 15c; per great gross $1.25

Shoemaker's Hammers.



No. 31560. Best Steel Shoemaker's Hammer. No. 0 or 1; weight, 15 or 17 oz. Each..$0.30
No. 31561. Shoemaker's Hammer No. 2. Each.....$0.35
No. 31562. Shoemaker's Hammer No. 3. Each.....$0.40
No. 31563. Cheap Shoemaker's Hammer, medium size only. Each.....$0.15

Shoemaker's Rasps—Best Quality.

No. 31564. 8 inch half round; weight, 6 oz Each..... $0.25
No. 31565. 9 inch half round; weight, 8 oz. Each..... $0.30
No. 31566. 10 inch half round; weight, 11 oz. Each..... $0.35

Awl Handles and Blades.

No. 31570. Shoemaker's Peg Awl Handles. Each..... $0.10
No. 31571. Shoemaker's Sewing Awl Haddles. Each.....$0.03
No. 31572. Sewing Awl Blades, assorted sizes. Per dozen.....$0.15
31573. Peg Awl Blades, assorted sizes. Per dozen..... .....$0.08

Shoemakers' Needles.

No. 31580. Shoemaker's Needles, for sewing leather; any size. Per paper.....$0.08

Shoemakers' Pinchers.

No. 31585.	Timmons No. 1.	Each.....	$0.50
No. 31586.	Timmons No. 2.	Each.....	0.60
No. 31587.	Timmons Vo. 3.	Each.....	0.65
No. 31588.	Timmons No. 4.	Each.....	0.75

FAMILY COBBLER, HARNESS MENDER AND TINKER

No. 31550 THIS OUTFIT IS ONE WHICH EVERY FAMILY SHOULD HAVE, as it contains all the necessary tools for repairing almost anything, and will pay for itself many times in a single year.

...CONTENTS...

1 Iron Stand for lasts.
1 Iron Last for men's work.
1 Iron Last for boy's work.
1 Iron Last for women's work
1 Iron Last for children's work.
1 Shoemaker's Hammer
1 Shoemaker's Knife.
1 Patent Peg Awl Handle.
1 Peg Awl.
1 Sewing Awl Handle.
1 Sewing Awl.
1 Harness Awl Handle.
1 Harness Awl.
1 Wrench for Peg Awl Handle.
1 Bottle Leather Cement.
1 Bottle Rubber Cement.
1 Bunch Bristles.
1 Ball Shoe Thread.
1 Ball Shoe Wax.
1 Package Shoe Pegs.
1 Package Heel Nails.
1 Package Half-soling Nails
1 Package Half-soling Tacks
4 Pairs Heel Plates.
½ dozen Shoe and Harness Needles.
1 Saw and Harness Clamp.
1 Box Harness and Belt Rivets.
1 Harness and Belt Punch.
1 Soldering Iron with Handle
1 Bar Solder.
1 Box Rosin.
1 Bottle Soldering Fluid.
1 Copy Directions for Soldering etc.
1 Copy Directions for Half-soling etc.

Securely packed in wooden box with hinged lid; weight, 25 pounds. Price.....$1.95

Special Discount on ½ Eozen Lots.

Sears, Roebuck & Co.'s Shoe Repair Outfit No. I.

No. 31551
Weight, 18½ lbs.

No. 31551. This Outfit of Shoemaker's Tools is the most complete ever offered. We have placed an order for a large quantity to be put up especially for us, and of the very best material. Every family should have one. We quote below a list of articles contained in the outfit.

CONTENTS.

1 Large Iron Last.
1 Medium Iron Last.
1 Small Iron Last.
3 Pairs Mens' Good Tap Soles.
2 Papers Cobblers' Nails.
1 Peg Awl Handle.
3 Sewing Awl Blades, best quality.
3 Peg Awl Blades; best quality.
1 Bottle Rubber Cement, best quality.
1 Reversible Iron Stand.
1 Shoe Hammer, best quality.
12 Best Heel Plates.
1 Sewing Awl Handle.
1 Best Shoemaker's Knife.
1 One Bottle Leather Cement, best quality.
1 Piece Shoemakers' Wax.
1 Bunch Bristles.
1 Ball Shoe Thread.
36 pieces in all.

Remember that these tools are all of the very best material.

Price, complete in wood box, with hinged lid. $1.45

Sepecial Discount on Half Dozen Lots.

The "Economical" Cobbler.

No. 31552 The Economical Cobbler contains all the tools necessary for shoe repairing, is cheap, good, and a great time and money saver.

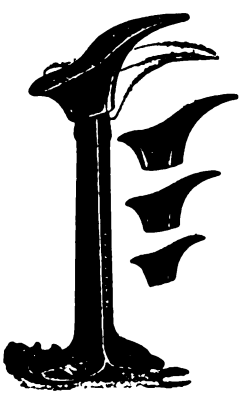
CONTENTS.

1 Iron Stand, for Lasts.
1 Last for Men's work.
1 Last for Boys' work.
1 Last for Children's work.
1 Shoemaker's Hammer.
1 Shoemaker's Knife.
1 Patent Peg Awl Handle.
1 Peg Awl.
1 Sewing Awl Handle.
1 Sewing Awl.
1 Harness Awl Handle.
1 Harness Awl.
1 Paper Heel Nails.
1 Paper Half Soling Nails.
1 Wrench for Peg Awl Handle.
1 Copy Directions for Half Soling.

Securely packed in wooden box with hinged lid.

WEIGHT, 14 LBS. **Per Set, $0.68.**

Special discount on 1 dozen lots.



SpringPunches.

No. 31589. Punches, No. 6, for B long eyelets. Each.....$0.40
No. 31590 Punches, Nos. 8 and 10, for large eyelets. Each....$0.40
No. 31591. Revolving Punch, 4 size tubes. Each.....$1.40
No. 31592. Revolving Punch, 6 size tubes. Each.....$1.60

Iron Shoe Lasts and Stand.

No. 31593. Reversible Iron Stand, 15 inches high, with three lasts, small, medium and large.
Per set, complete..... .....$0.35

BE STYLISH FOR $1.98 ...SEE... Colored Sheets

Witham's Patent Hand-Made Boot Calks.

	No. 00.	No. 0.	No. 1.	No. 2.	No. 3.	No. 4.

No. 00.	Extra small ball.	Per doz. 7c	Per 100,	$0.50
No. 0.	Small ball.	Per doz. 7c	Per 100,	.50
No. 1.	Small ball.	Per doz. 7c	Per 100,	.50
No. 2.	Medium ball.	Per doz. 7c	Per 100,	.50
No. 3.	} Large ball, or } small heel.	Per doz. 7c	Per 100,	.50
No. 4.	Large heel.	Per doz. 7c	Per 100,	.50

Put up 100 in packages.

Calk Set, and punch for setting calks, 4 inches long, each, 25c. Per doz..... $2.65

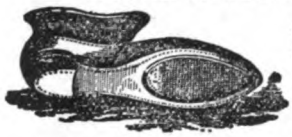
UNCLE SAM TRUSTS NO ONE. POSTAGE MUST BE PREPAID. IF YOU DON'T SEND POSTAGE, WE WILL HAVE TO HOLD YOUR ORDER UNTIL YOU SEND IT. DON'T FORGET.

Digitized by Google

IRON LAP LASTS.

Made of iron and very handy to have in the house.
No. 31594. Men's large, 30c.
No. 31595. Men's razor toe, 30c.
No. 31596. Men's medium, 25c.
No. 31597. Ladies' medium, 20c.
No. 31598. Ladies' razor toe, 20c.

ROYAL RUBBER SOLES.



No. 31600. This sole is made of best rubber and is made to cement on the sole. If the sole of your shoe is thin this is a splendid thing for damp weather. Price, per pair, 25c.

WOOD SHOE STRETCHERS, "HOLD FAST."

No. 31602. **"Hold Fast"** Shoe Stretcher (see cut) is the best, from the fact that it can be fastened in place, and will not slip. Every family should have one. Comes in 4 sizes: No. 1, Men's large; No. 2, Men's small; No. 3, Ladies'; No. 4, Child's. Price, each, $1.15.

WOOD SHOE STRETCHER, COMMON.

No. 31603. Wood Shoe Stretcher, made medium size, so it can be used for ladies' or gentlemen's shoes. Has corn and bunion attachments, and is an article which every family should have in the house. Weight, 30 oz. Price, each, 75c.

STAR STEEL PLATES.

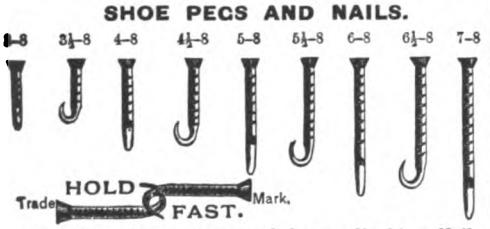
No. 31608. Star Heel Plates, to prevent boots and shoes from wearing off at the heels. No nails or screws required: No. 1 for Child's heels, No. 2 for Ladies' heels, No. 3 for Boy's heels, No. 4 for Men's heels. Per pair, 2c; per dozen pairs, 20c.

HAND PEG BREAK.

No. 31610. A very handy article for every family. If you buy a pair of boots or shoes, and the pegs are not all taken out, you can easily make them comfortable with the Hand Peg Break. Price, each, 40c.

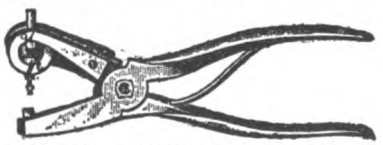
No. 31611. Same as above, reversible. Price, each, 60c.

SHOE PEGS AND NAILS.

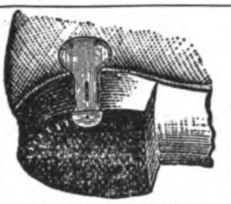


No. 31613. Latest improved brass clinching Nails. Sizes, 3-8, 3½-8, 4-8, 4½-8, 5-8 and 6-8. Price, per lb., 24c.
No. 31615. Baker's patent wire clinch Nails, 3-8 and 3½-8, 17 wire. Price, per lb., 17c.
No. 31617. Baker's patent wire clinch Nails, 4-8, 4½-8, 5-8, 5½-8 and 6-8. Price, per lb., 12c.
No. 31619. Common iron Shoe Nails, ⅜, 4-8, 5-8 and 6-8. Price, per lb., 6c.
No. 31620. Hungarian Nails, for bottom of miners' boots and shoes. Sizes, 3-8 stout, 3-8 fine. Price, per lb., 15c.
No. 31621. Shoe Pegs. The famous "Blue Star" peg, made from best hardwood; nothing better. Sizes, 3-8, 4-8, 5-8, 6-8. Price, per quart, 5c.

REVOLVING EYELET SET AND PUNCH.

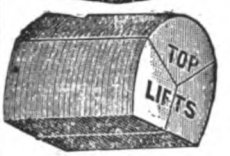


No. 31623. This combination is composed of a Revolving Eyelet Set and Punch, used for B long eyelets, making almost an indispensable tool in any household; will last a lifetime properly used; eyelet set and punch combined. Weight, 12 ounces. Price, each, 90c.



FISHER'S HEEL STIFFENERS.

No. 31622. The best in the world. Fisher's Heel Stiffeners are easily put on, and will fit any shoe. Per pair, 10c; per doz., 75c.



MEN'S, WOMEN'S AND BOYS' TOP LIFTS.

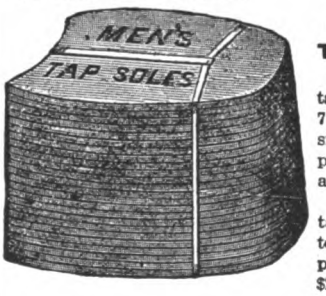
No. 31624.

Grade.	Height, per dozen,	Price.
Fine, men's top lifts,	5¾ inches,	$0.85
Fine, men's top lifts,	5½ inches,	.75
Fine, men's top lifts,	5 inches,	.65
Fine, men's top lifts,	4½ inches,	.60
Fine, men's top lifts	4 inches,	.55
Fine, boys' top lifts.,		.60
Fine, women's top lifts,		.45

MEN'S JUMBO OAK BLOCKS.

These pieces are cut from best oak sole leather and will cut four different size taps.

Grade.	Lbs., per doz.	Price, per doz.
No. 31628. Extra fine quality,	9 to 11	$5.50
No. 31629. Good quality,	8 to 10	4.50
No. 31630. Medium quality,	7 to 8	4.00



HEMLOCK TAP SOLES.

No. 31631. Men's tap soles. Sizes, 6, 7, 8, per pair, 19c; sizes, 9, 10, 11, per pair, 20c. Per doz., assorted, $2.10.

No. 31632. Boys' tap soles. Sizes, 1 to 5, per pair, 17c, per doz., assorted; $2.00.

No. 31634. Women's hemlock Tap Soles, fine quality. Per pair, 15c; per dozen pair, $1.50.

No. 31635. Women's medium fine hemlock Taps. Height, per doz., 4½ inches. Price, per doz., only $1.35; per single pair, 13c.

HEMLOCK SOLE LEATHER.

BUFFALO'S "CELEBRATED" SLAUGHTER SOLE LEATHER.

Rumsey's, Howard's, & Gaenslen's.

Subject to Market Change.

No. 31640. Best Buffalo Sole, 17 to 30 lbs., single side, 25c.
No. 31641. Best Buffalo Sole, 17 to 30 lbs. (spready) single side, 24c.
No. 31642. Good Buffalo Sole, 17 to 30 lbs. (one brand to each side), single side, 24c.
No. 31643. Best Buffalo Sole, 14 to 16 lbs., all clear, single side, 24c.
No. 31644. Good Buffalo Sole, 14 to 16 lbs. (one brand to each side), single side, 23c.
No. 31645. No. 2 Buffalo Sole, 20 to 30 lbs. (two brands to each side), single side, 22c.
No. 31646. Extra Best Buffalo Sole, 20 to 30 lbs. (extra plump, clear of brands and cuts), single side, 26c.

HEMLOCK BACKS.

Heads and bellies trimmed off. No flanks or offal. Cheapest stock for tapping.
No. 31647. Best Buffalo Slaughter Backs, 14 to 19 lbs., single side, 30c.
No. 31648. Good Buffalo Slaughter Backs, one brand, 14 to 19 lbs., single side, 29c.

MATAMORA SOLE LEATHER.

No. 31649. No. 1 Matamora Sole, plump and clear, 16 to 29 lbs., single side, 22c.
No. 31650. No. 1 Matamora Sole, one brand, 16 to 29 lbs., single side, 29c.

CHICAGO SLAUGHTER SOLE LEATHER.

Tannage and Selection Equal to Any.

No. 31651. Chicago Slaughter, No. 1, plump and clear 18 to 26 lbs., single side, 25c.

OAK SOLE LEATHER.

We only sell the best tannages of Oak Sole Leather made from "Packer's Hides."
No. 31652. Philadelphia, extra choice, 17 to 29 lbs., single side, 29c.
No. 31653. Philadelphia A, one brand, 17 to 26 lbs., single side, 28c.
No. 31654. Philadelphia B, two brands, 17 to 26 lbs., single side, 27c.
No. 31655. Philadelphia, extra choice, 14 to 16 lbs., single side, 28c.
No. 31656. Scoured Oak, extra choice, 17 to 20 lbs., single side, 30c.
No. 31657. Scoured Oak, extra choice, 14 to 16 lbs., single side, 29c.
No. 31658. Louisville Oak, extra choice, 20 to 26 lbs., single side, 30c.
No. 31659. Louisville Oak, extra choice, 17 to 19 lbs., single side, 29c.
No. 31660. Baltimore Star, extra choice, 22 to 28 lbs., single side, 30c.

WAX UPPER LEATHER.

No. 31661. Union Upper, 12 to 14 feet, fine and light, single side, per foot, 18c.
No. 31662. Union Upper, 15 to 18 feet, medium and fine, single side, per foot, 18c.
No. 31663. Union Upper, 18 to 20 feet, heavy, but fine, single side, per foot, 18c.
This celebrated stock is the best and finest for fine calf or kip boot backs, much finer and less flanky than oak, but same light colored grain.

GRAIN LEATHER.

No. 31664. English Oil Grain, 14 to 20 feet, No. 1, single side, per foot, 18c.
No. 31665. Milwaukee Oil Grain, 18 to 24 feet, single side, per foot, 17c.
No. 31666. German Oil Shoe Grain, 16 to 18 feet, single side, per foot, 15c.
No. 31667. Light Oil Shoe Grain, single side, per foot, 14c.
No. 31668. Polish Grain, for shoes or boot legs, 12 to 16 feet, single side, per foot, 15c.

CHAMOIS SKINS—Imported Best.

No. 31669. Best and large, per skin, 75c.

DONGOLA KID—Glazed Finish.

No. 31670. Extra for ladies' shoes, 3 to 5 feet. Per skin, per foot, 35c.
No. 31671. Good for patching. Per skin, per foot, from 22c to 24c.

RUBBER SOLING.

No. 31672. Rubber Soling, for boots and shoes. Per lb., 45c.

FRENCH CALF SKINS.

Price on calf skins subject to change without notice. These skins run in weight from 2 to 3½ lbs. each.
No. 31673. Simon Ullmo, first choice, 2 to 3½ lbs. Each, per lb., $1.80.
No. 31674. Mercier's, first choice, 2 to 3½ lbs. Each per lb., $1.80.

OAK TANNED CALF SKINS.

No. 31675. Crown, extra choice; weight, 2 to 2½ lbs. Each, per lb., $1.25.
No. 31676. Crown, extra choice; weight, 2½ to 3 lbs. Each, per lb., $1.20.

HEMLOCK CALF SKINS.

No. 31677. Chicago, a calf, extra selection, 2 to 2½ lbs. Each, per lb., $1.00.
No. 31678. Chicago, a calf, spready, 3½ to 4 lbs. Each, per lb., 75c.
No. 31679. Chicago, a runner, for boot backs, 4 to 5 lbs. Each, per lb., 70c.

ALLIGATOR SKINS.

No. 31680. Large size, $5.50; medium size, $5.00.

ELASTIC CORING.

No. 31681. Hub Goring, 5 inch, per yard, 50c; Hub Wool Goring, 5-inch, per yard, 60c.

KNIVES AND SKIVERS.

No. 31682. Square point, T. Harrington's best; each, 15c; per doz., $1.25. Curve point, T. Harrington's best, each, 15c; per doz., $1.25. Lip or fore part, T. Harrington's best, each, 15c; per doz., $1.25. Thin kid Skivers; T. Harrington's best, each, 25c; per doz., $2.50. Sole leather Skivers, T. Harrington's best, each, 25c; per doz., $2.50.

LEATHER CEMENT.

We carry only the best cements, and they are all fully guaranteed. For cementing all kinds of leather.
No. 31683. 1 oz. bottle; weight, 3 oz. Price each, 7c; per doz., 80c.
No. 31684. 2 oz. bottle; weight, 6 oz. Price each, 13c, per doz. $1.40.

RUBBER CEMENT.

Rubber Cement is used for repairing rubber boots and shoes.
No. 31685. 2 oz. bottle, guaranteed the best. Price each, 12c; per doz., $1.20.
No. 31686. 4 oz. bottle, guaranteed the best. Price each, 18c; per doz., $2.00.

Digitized by Google